

tcgtgatgtt gaaggaagtc gtattattgt ggaatttgcc aaggggggtc ctcgtgggtc 300
 ccgggaccgg gaatatatgg gtcgggggtcc acctcctgga tctgggcat gctntaactg 360
 tggcattgat ggtcatt 377

<210> 9873
 <211> 359
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e01d1

<400> 9873

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 ctatgatcat gcatgcatga ccagaacaca ctgaaattct cacagcactt gcaaggggga 180
 ataatccaag tattaatttg tgccgcacct ggacacatat tgatcatatat ataacagaca 240
 gtggtactaa cctccaaata caaagtaata attatagtta aagcacgaac aatccaatcg 300
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<210> 9874
 <211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e02a1

<400> 9874

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 tttattttaa tttacagatt ttttttttct tttattt 157

<210> 9875
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e02d1

<400> 9875

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 ttttccttg aatcagggag ttgcttcggt aatatatacc ttgatcacca ctactttgta 180
 ttatcatttc ttattattct gctagccgtg gcaaagggtc ccagactgaa atactttgac 240
 aacatccagc atataaaggc taggcatata aatgtgtcca tgaactgaaa tagataccct 300
 aacgaaaggt agctactgcc ctattttctca ttattattct atttcattcc caagatgata 360
 gttggtcatt ttcattcacc aactccatcc ccaaaaggaa taaaaataat aaataaaata 420
 aa 422

<210> 9876
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220106e03a1
 <400> 9876

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 actcctggaa aggggtattc ttgctgctga tgagtcaaca gggacaattg gcaagcgttt 180
 ggccagcatc agtgtagaga atgttgaatc caacaggcgt gctcttaggg agctgctttt 240
 caccgtccc ggtgctctta aatatctcag tgggtgcatc ctctttgagg aaactctcta 300
 ccagagcaca gctgcaggca agccctttgt ggaagtcttg aaggaggctg gtgtgcttcc 360
 tggcatcaag gttgacaagg gcacagtga gcttgctggc actaatggag aaaccaccac 420
 tcaaggtcta gatggccttg gtcagcgttg cgccaagtac tatgaagccc gggcacgttt 480
 tgccaagtgg cgtgctgtgc tgaagattgg tnccaacgag ccctctgagc tggctatcca 540
 tgagaatgcc ta 552

<210> 9877
 <211> 532
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e04a1

<400> 9877

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gcaacaccca atctttcttct cacaccaaaa ccttctcaac gaaggccttc tcttgtggtc    180
aaatctactg tgggtgtggc tgacccttct ccatcttctt ctctctacgc tggggatacc    240
tctgattcca tctcttcttt gaagctcaat ctgctgagtg ctgtttctgg gctaaataga    300
ggccttgctg caagcgaaga cgatcttcga aaggcagatg atgctgctaa ggaacttgaa    360
gctgctggag gacttgtgga tctctcgctt ggtcttgaca atttgcaagg aagatggaaa    420
ctcatttata gcagcgcatt ttcgtctcga acccttggtg gaagccgtcc tggtcctccc    480
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<210> 9878

<211> 543

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106e05a1

<400> 9878

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gatgagtacc ttctcccacg cagctacatc accgggtacc aagctacaaa ggatgatctt    180
actgtttatg cagctttgcc aactgctcca tcagatgaat atggaaatgt ttccaggtgg    240
tacaagcaca ttgatgcttt gttgagaatc tctggtgttt ctggcgaggg atctggtggt    300
attgttgagg gatccctggt tgcggagcct gttgcaactc ccccagctgc tgacactaag    360
gctgctgttg ctgaggatga cgatgatgat gatgttgatt tgtttggtga agagactgaa    420
gaagagaaga aggcagctga ggaacgggca gctgcagtga aggcacatgc aaaaaagaaa    480
gagtctggga aatcatctgt tctgttggtat gtaaaaccat gggatgatga aactgacatg    540
aag                                                  543

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<210> 9879

<211> 392
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e06a1

<400> 9879

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 tatggttggt ctacgttttt ggatcatctc aatctctgca gagctgcttg agtttgtaag 180
 cagtggctgg actgcttggtg ctcatgaaca ctcttggaag agtttgaatt ctgaagaccg 240
 gaacatattc tgtagagcaa cttgaggaca ttagttcgct gtatcctaata atgacagctt 300
 tctcgatgta tggaccctgc tctctaata gcttggtatg aatgccatat tgttaataata 360
 gaaattattt cgcctttaac attgggaaaa ac 392

<210> 9880
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106e07a1

<400> 9880

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 gagttccggg caggaggaat ggatcaggag gttgttttct tagtggaagg aaattgaggg 180
 tgaaaaagga gagagcagca attggaggac gatcgatggg cactacagtg tgcgcagttg 240
 ctgagcctga cagacctcta tggttcccag gcagaccccc tctccatgg cttgatggca 300
 ctctacctgg agacttcggc tttgaccctc ttggtcttgg atctgacccg gagagtctga 360
 gatggaatgt tcaggcagag ctagtgcact gcagatgggc aatgtttggg tgctgctggc 420
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<210> 9881
 <211> 391
 <212> DNA
 <213> Glycine max

<213> Glycine max

<223> Clone ID: jC-gmfl02220106e09d1

<400> 9883

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ttctatgaca gaaattaact gaaatgaaaa aatggaaccg gtgatctaata cagggtgctg 180
gtgcatgatt tctgaaacag catccagaaa cgtggcttct cttgtggccg gaggatcaga 240
atccacagct gactttacat ttccctcaat cacagactcc ctgttcaaag attccctgca 300
cataagactt ccaatggcaa aggggagtat gccctgtcc actcctttgt taaaagacg 360
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<210> 9884

<211> 521

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220106e10a1

<400> 9884

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taagcaagct attgactcct accctaagaa tttcaaaggc agattcatta tttatgttaa 180
agctgggatt tataacgagt atatcactat ccctaagaag tcagagaata ttttgattta 240
tggagatggc cctacaaaat ccattattac tggtaacaaa aactttatag atggcgtaaa 300
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attcgagaac acagcgggtg caaagaagca ccaagcagtg gcattcagaa accaaagaga 420
catgtcggcc atgttcgact gtgccatgca cggtttcta gacacattgt acaccctagc 480
ctaccgtcaa ttctaccgca actgcgaaat ctcgggcacc a 521

<210> 9885

<211> 309

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106e10d1

<400> 9885

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 acaccaagtg tgctgagaac aaagctaatt aattgattct gcgtgtctat aactacggac 180
 acatgaattt gcacataaaa aagaaacttg tgcccatatt taaccctaca gcggtaccat 240
 gcttgttgat ggataatcca tggcttggtg aaaccaatgg tgtatggatc gccggctgcc 300
 tgtaaccaa 309

<210> 9886

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220106e11a1

<400> 9886

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 cgatagaaaa ggaagaagaa gcgcttcgcg atgcacgaaa gagaagaatt ggaagcaaag 180
 tttcggcggtt ttgtctttta taaaaaaaat gttaaactat tataattttc tatgataggg 240
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 gcactgcgcc ctcgctgcat gatcatgtag ttttcaacca gctgcgtag cggggttgta 360
 aaactaataa catatataat caaataaatt atattattta tcanaaaaaa aaaggaaaat 420
 atttactg 428

<210> 9887

<211> 405

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106e11d1

<400> 9887

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cagctgggtg aaaacttcat gatcatgccg cgagggcgcc gggctttaca actgtttaaa 120
 tacaccgatt ttcttttaca tatgaaaata gacatgatac ccttcccttt catagaaaat 180
 tataatgatt taacattttt ttatataaaag acaaaacgcc gaaactttgc ttccaatttt 240
 tctttttcgg gcatcgggaa gggcttcttc ttcctttttt atcggtttct tttattcgtg 300
 ggacatattc ttcatatcca ttgagctttg ctagcttatt gtggttaagga ggaggggggg 360
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<210> 9888
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106e12a1
 <400> 9888

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 gctcccgccg caacatcgat agaggataaa cctcaacccc ccgtgggttaa acttgacaaa 180
 atgttttggg ctaagccctg ttcgctggcc ctgccccggg actcaccctt caaagctgaa 240
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 cagagcaagt caattcgagg cgctaattgt gtgtaccgaa gaattgtttc tcaaattgat 360
 aaacctccca tttatgaatg tgtttaactt ggagaaaaca ttcaaaacaa cattctctct 420
 acttgtactt atatgtgggt atgtntgcgt cgcttgtagc aagatggaaa tgaagggtgtt 480
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<210> 9889
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106e12d1
 <400> 9889

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 aacaggaccc tgacagcttg gttgcctgtg agacatgcac caagaccaac atggctcttg 240
 tcttcggaga gatcacaacc taagccaacg cagtctatga ttagagcgcc cgcgacacat 300
 gccgcgaaat tggattcatg tgtgatgatg ttggccttga tgctgacaaa tgcatagtgt 360
 tggtaacat tgagctacag agcccgata tcgtccatgg tgtgcacggt cacttctcca 420
 aacgcccaga ggaggttggt gctagtgacc atggtcacat gtttgggtat gccaccg 477

<210> 9890
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f01a1
 <400> 9890

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 aaggctgggg atcaaatacc tgccaccg gggatccgct atatatatac ctgccgccac 120
 caaaggggag ggcccactgg tgttgctctc acacaggttt catgaccgcg tggactcatg 180
 gagccatcag actgtctctc tcaggtaaac tgggtaccgc tgccaatgct ccccatcttc 240
 gtggctacgg agacaccgaa gcacca 266

<210> 9891
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f01d1
 <400> 9891

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 ttaatacaaa caagcatagg aagggttgatg gtatggaggt tttctgcagt tgatgaatcc 120
 tgcccataaa aaagatctcg ataccttaaa tatcaaaaca aaagcgcaat tataacaccc 180
 tttcacttca gctgcgactt tatactctgg tgaattcggt tttggacaag atcagaactt 240
 gttgataaaa tcgtatatgt aattatcgat ttctctgct gcttcttgat tattgaagt 300

agccactcct ttctgcacaa tcacttggtc taaatttggc acatcttgct tgaaccctcc 360
 gccgtggata tactccttca agttcagcga gttgtatacc atgtccaact cacctgttat 420
 gtatttttacg ggcaccttga tttgcccttc tgtccatggt gccgtcaact tccaatttaa 480
 gttgaaatt 489

<210> 9892
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106f02a1

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 aagatgacat ggtgcaatga ctctgatgag gatagggtta ttgaatcaac gacgccaaaca 240
 ataactatta ctctaacac tgatggcata aagctcaccg aagaaattag aaccataaca 300
 tgcccctcgt gcggccataa cattgaattc aaagatcagg gtggaatcca tgacttgccg 360
 gggttaccag ctggagtga gtttgacca aatgaccaag aaatattaga acatttgag 420
 gcaaaagtgg cgtatgatgc atgcaagctt catcncctta ttgacgagtt cata 474

<210> 9893
 <211> 444
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106f02d1

<400> 9893
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 aagctcaatt catctttagt atttgatatt ttttaagtcgt ctttaaaactc agcgtcgagc 180
 ttcttccgca atgccactaa ttcttcccct gcacgcgaga tataggccga agcttgtctg 240

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 agaaagaaat tcctcactgg tgtcttttga tcaggtctat atgggatctt taccaggacc 360
 ctcacggtac agagattggc caattttaac aacagaagac ctagtcactt ccaaaccctg 420
 agatgatggg aacagtgcc aaac 444

<210> 9894
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f03a1
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 gttgccacca aacgcttcat cagttccagc agttttagcg tttggagatt ccatcgtgga 180
 cccaggcaac aacaacaaca taaaaacatt gatcaagtgc aacttcccac cttatggaaa 240
 ggattttcag ggaggaaacc caacgggtcg attttgcaat ggaaaaattc cttctgactt 300
 aatagttgaa caattgggta ttaaggagta tttgcctgca tatttggatc cgaatctcaa 360
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<210> 9895
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106f04a1
 <400> 9895

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 tccctctggt gatggctgaa actcaattga agtgattcac tggactactt tatcatcttg 180
 gtctgagggt gaagctatct aatttctgaa tttccgtgag tttcttaatc cctgagtatg 240
 gccgggagcc aagatcagtt agagatcaag tttcgggtga gtgatggtag ggatattggc 300
 cccaaaagtt attctgctgc tactagtatt gtaacactaa aagaaagtgt tcttgctcaa 360

tggccaaaag ataaggagta tggaccaaga actgtaaaag atttgaagtt aattagtgtc 420
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<210> 9896
 <211> 389
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106f07a1

<400> 9896
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 tgagaaggtc ccttgatgag aagaccattt tccatttgaa cccttctggc aggtttgtca 180
 ttggagggcc gcatggcgat gctggtctca ccggccgcaa gatcatcatc gacacctatg 240
 gaggatgggg tgcacatggg tgggtgtgcc ttctctggga aggatcctac caaggttgat 300
 agggagtggg gcctacattg tgaggcaagc tgcaaagagc attgttgcaa atggacttgc 360
 taggagggaa attgtgcaag tttcctatg 389

<210> 9897
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106f08a1

<400> 9897
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 aatcttaaca acttgctaga agaagataaa gaaagagaaa aagtgtgtgt gtgtgagaga 120
 gagcaatggc tgggctcgtg ggcacgccgt tctctgattg ttctggctat catttccttc 180
 ggatgtttat ttgcaatttc cattgctaag gaggaagcca caaaattggg gacggtcatc 240
 gggattgatc ttggaacgac ctattcatgg tgttggtgtt tacaagaacg gccatgttga 300
 aatcatagcc aatgatcaag ggtaaccgta tcaccccatc gtgggttgct ttcaccgaca 360
 gtgagagac 369

<210> 9898
 <211> 548
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106f09a1

<400> 9898

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 tgcctgtcac agaattgcgg actgctggtt cctctaaagt ggatattagg gatgtgcaag 180
 tagatgaaca cgttaccgtg acaagatggc ccaagaaaca tagggcccta ttcactggca 240
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 gacgtttctg aaacgtcaaa gcctgcctca aagacaagaa gtgaggaagc caaaatctct 360
 gcatgggaga acttgcaaaa ggcaaaagca gaagcagcaa tacggaaact agagatgaaa 420
 ctggaaaaaa ggcgagcatc ctctatggat aagatcatga acaagcttag attggcccag 480
 aaaaaagctc aagaaatgag aagttcagtt ccacacaacc aatccgatcg ggttgtatga 540
 cttcacac 548

<210> 9899
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106f09d1

<400> 9899

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 tgggaggaga gaaaaatatt caaaagatct tattttctaaa atttggccta cttacaaata 180
 ttgctacca ttgaatccaa actcccgaac atgggggctta gattttatga tatctgagac 240
 tttcaaagaa ggtgccttgg attgcaaaac gcatcaactc caattttgtc tactgttgtg 300
 cccctttcaa tcttttacat gtgggccatt tgaatccttt ggataccac catcactcaa 360
 acatgaaaga atgcttttaa gacatggctt gtgaaacaac cactcaaaga acgcatccgg 420

ctggttctta gaaatgatga agccctgcgt gaagttctta caaccgatc gggttggttg 480
tgtggaactg tacttctcat ttcctgagct tttttt 517

<210> 9900
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220106f10a1

<400> 9900

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acttcgttct gtgaagccca gaactttcca gcacacagaa ttatccacct ttcggtcagc 180
tcgttacggc ctacccttc tccaccacct tcgccctaac gctgttaacg cacaacaaca 240
accggttacg aattcgatcc tcgccaatac aaattatttg tctccggttc acagcagact 300
aaccgcaacc cacgaaccgg agaagaacct aatagccctc cgtctccagg agttggaaaa 360
gcagcttcta gaagacaatg aagacgacgc cgtttcggtc attaccacca ccacttctga 420
atgggtcacac acaatacaaa acctaatac tccgcagaaa cccgcgtctt cgtctccac 480
ttcctctacg acgtcgtcta acaccttcgt agaatccagc agttacaaac agtc 534

<210> 9901
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220106f10d1

<400> 9901

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aattttttta caatggggtt ccaaatttga aatttccaaa gaatttttaa ttaaagagag 180
taaaaagttg agttaacttg ttaacaccaa gcatatgcga cggggagagt tcttcccatc 240
cagccaaaagc aattcccacc gtttttttct ttaccggga cttgggtccc agcgccaccg 300
tgtcgcgctt tgatcgaatc aacgactcgc tgactcaggg gttttaacct gaaccagcc 360

atgctttttac gcgcgcgcga tttcccaaac acctggcacc gttccacgcg gtcccttcct 420
 ttgcacgcga ccgagttcac caccttcga ctcagtcct cctcgatcct gac 473

<210> 9902
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220106f11a1
 <400> 9902

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 ttgatcgtaa tccccgtcat caaactcttt ctttattcta cgattcacia tcaaaaccca 120
 acaacttcaa ctctccaatc tctatcctca attcaaccct tttggtggca acttctatct 180
 atgctacaaa aaatgctgcg attgcacttc accaccgcac tctctcactt tgcttccaag 240
 gcctcacctt ttctctcac acccgtttcc gttaccgttt ccagagctat tgtttgcaac 300
 aacccaccca gggtcagatc gcaaattgggt tctttctcca cttgctcttc ctcttcctcc 360
 aaactcttgt tccgccagct ttttgagaag gaactctcca cctacactta ccttctcgct 420
 gatgctcgc acccagaaaa acctgcactt ctgattgacc catctgatag gacagtagac 480
 agggacttgt cgatcattga gcaactgggg ctgctgctag tgtatgccat gaacacacat 540
 gtgcatgcgg atcatgtcac t 561

<210> 9903
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220106f11d1
 <400> 9903

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 ctattttctga aaatttggct ttgaagtta ggattaggaa gtgctatcat aacattctg 120
 attcaacaga aacacaggct tttctctggg acctaatgt tattatatcg ggctcaaca 180
 cagataccat tttatttata tacaacttcc attttctct tcatccata gggctattac 240
 aatttttccc ccttttgggt gcatgggctt tgcgtcaa ataatctgtg tgggactctc 300

acataaggct tatgtagccc caccttgctt tggacaggac tggatcccgc taaccatatt 360
 tgctgggaca ggtatgacaa tcattttagg atacgacagg tttagatttc ccatgagggt 420
 cttggaagtt t 431

<210> 9904
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106f12a1

<400> 9904

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 tttgggaaca gatgagaacc ccgacagctg cactcccat tgctgcaccc caacagcacc 120
 gcacattacc aaggttctt gtccttctca tcctcttctg ctccgtcacc tacgtcgtct 180
 acacgtcaa gctcgtctcc acctcacgcg cctgcaacaa cgacgcccct ttctccaccg 240
 acaacttctc caaaaccatc ctctccgtca atgccaccgc cgcagttctc cgccgagggt 300
 ccctcgagac gaatcccgag gaccggacgg acctccgcca cgtggtgttc ggaatcgagg 360
 cgtcagcgaa gctttgggag cagaggagga gctacatcaa gttctggtac agggcgaggg 420
 acatgcgcca gcgttgtgtg gctcgacagg gagtgaaat cggaggagag cagcgacgca 480
 ctccgccggt gagaatctcc ggcgacacgg cgatgttcaa gtacacgaac aggcaggggc 540
 accg 544

<210> 9905
 <211> 338
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106f12d1

<400> 9905

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 gtcctttttt ttttccacgc cttgaaagat cctctcgac gccccgatat tcaaaattta 120
 ccccttcccc gtgcgagccc gctttaactt tgaggtaaaa cacaaaatct ttttggccag 180
 gaggccttcc ccaatctcga ccctttttta ggaagccccg gggaaattta acaatatttt 240

cccagggggg gctcccccaa caaataagat atcccccttt taaaatcacc caaaagaaca 300
 cccccccccc aggggattct ttccggattt tttttttt 338

<210> 9906
 <211> 462
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106g01d1

<400> 9906

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 cagcctatgg gatgctagct cccctggcaa gagaacttca atggaagatt tttatgagac 180
 aaaaattgat ggtgttgatg gtgaaattgt tggccttttt ggagtttttg atggccatgg 240
 tggtgctcgt gcctgctgag tatgtcaagc aaaacctatt tagcaatttg atcagtcac 300
 caaaattcat tttctgacac caaatctgca atagctgatg catataacca taccactct 360
 gaatttttga aatctgaaaa taatcaaaac agaaatgctg gatcaactgc ttccactgcc 420
 atttttggtg gggaccggtt gcttggttga aatggtgggg ac 462

<210> 9907
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106g02a1

<400> 9907

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 acagattgga ctgcttctat ggagcagttt tttatagagc ttttgctgga tcagttgggt 120
 aggggaaata aagtggataa tggattcaat aaaaatgcgt ggacagatat gctagccatc 180
 tttaatgcta agtttgatg tcaacatggt agaagggttt taaagaatcg gttcaagaaa 240
 cggttgaaac attactgtga tataacaaat cttataaaac aaggcttttt gtgggatgaa 300
 caacaactaa tgcttttggc tgatgatgat gtctggaatg cttatgtcaa ggcacatctg 360
 cacgcaggaa catatagatc anaaactttg ncaactatcg tgatttagaa ttaatattca 420

gaaacatggc tgaaaatgag atcagtaatt tgc

453

<210> 9908

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g02d1

<400> 9908

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cctgatgtcc tgctgagaca tcttcaaccc aaaatcgtaa agaaaccatc cgtatccatt 120

tcccttgtcc agcccggatt ctggtttgag ttgtcaacac tcttaatat aaacaaactt 180

ctaattgttt caaccatata ctattttata gtaaaatcat ttgt 224

<210> 9909

<211> 570

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220106g03a1

<400> 9909

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acagaaccgg caggcgaagg tgacggtggt gccctccgcc gccgcgcttg tcatcaaggc 120

gctgaaagag cctgagaggg acaggaagaa gacgaagaac atcaagcaca gcggaacat 180

ctccctagac gacgtcgttg agatcgccag ggtcatgagt cctcgctcca tggccaagga 240

tctcagtga accattaagg agattctcgg gacttgcgtt tcggttgggt gcaccgttga 300

tgggaaggac cccaaggatc tgcagcagga gatttctgat ggagatgttg aggttcctct 360

tgaatgaagt tgctgaaatt tcagtggttt tttgttggtt cgtttatgtt gtttttttgg 420

gcaatttttg ttttttttcc tttttttaag gaatttgagt catagaatgt atgatatgta 480

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ttgcaaaaca ttgtcaattt aaggtgatcg 570

<210> 9910

<211> 505
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220106g04a1

<400> 9910
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 acggctaggt gtcgctggga cttcaatggc agtgactgaa gctcagaatc ctcttcttgg 120
 agaaaacaca tgtggttccct tggttaaaaaa gcttcaggaa atatgggatg aggttggtga 180
 gagcgacgag caacgagaca agatgcttct tcagttagag caggagtgtc tggatgtgta 240
 caagagaaag gttgagcagg ctgccaaagtc aagggcgag ctacttcaag ctctgtctga 300
 tgctaagctt gagctttcca ctcttctatc agcacttgga gaaaagagct ttgctggaat 360
 tcttgagaat acttctggaa ctatcaaaga acagcttgca gctatagcac cagtacttga 420
 acagttatgg caacaaaagg aagaaagaat taaggagttc tcggatgtac agtcacagat 480
 ccaacanata tgtggagaga tagct 505

<210> 9911
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220106g05a1

<400> 9911
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 gccttctttg gcaccagctt gaagaagggtt attgcctcaa gggccctaa cgtcaagatt 180
 tcttctggaa gtttcaaaat cgttgccgag gaaaaagaga ttgatgagaa acaacagaca 240
 gacaaggaca gatggaaagg tcttgccctat gatgtttcag acgaccagca agacatcaca 300
 agaggggaagg gtttggttga ttccctcttc caagctccac aggatactgg aactcactat 360
 gcaatcatga gctcttatga gtaccttagc actggactta aacagggtcaa cttggataac 420
 aacatggacg gttttttacat tgctcctgct attatgga 458

<210> 9912
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106g06a1

<400> 9912

agcatgaaag catggttcgt atattggcac tgcattagat gccagctata ttgggggtgtt 60
 ataagaaaca acaaatccca gtgcccgttg ctatcgaaat ggcctttggg caaccctttt 120
 cc 122

<210> 9913
 <211> 556
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106g07a1

<400> 9913

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 tgggcactat ataggctgta ggtaacaatc agaagtatag atattatgtt gtatgttaaa 120
 actttttggtt actcatgtag aagatgacca cttaagctct ttctctcatt gcataactta 180
 attcccacac atcaatttaa agacacttga ctgtgtatct ttgaaatgat tgataaaaag 240
 ataatgtgtg ccacaaatat ttgaagactc tagattcatg tcaattttct gactttctta 300
 ctgtgatacg tccaagttcc tcatatgcct caccttgagg attttcttaa taatttaagt 360
 ttgtgattta aatattgatt gtgggtttcta ctttacaac aagagtttgg catgtgctct 420
 aactagatct ttacggctta tttctttctt gggtcacat ataaacaatt gtgntctggt 480
 gcactttgaa atgaatgctt gatgaaatgg aatttcaagg ggacactgca ctacatatta 540
 gttcattggt gaaatc 556

<210> 9914
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106g08a1

<400> 9914

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 agcatctgat ctgaggacaa aaaagaaaat acttcagact gtaggggagc ggtggagaca 120
 atttaaagtc tattttgacg tcgaaatgag cacttgcaac tgacaaggaa agtgctcgatg 180
 acattgtatg cgaaaagtac gacattagca aggagaagtg ggccaactt tgtcagaccc 240
 gcagagaccc ttcgtgggag gatgtgcgaa aaaagacaca ggccatccag aaacaaaaca 300
 ttgtccctca catgttgtct cgtgtgggtt atgaatatct agaaaacaag ttgataaatg 360
 agaagaaaca aaaaaaagtg gaggaaactg ctctatccag aagcactgac actgtgatta 420
 atcctccatc tcccatcaga cgacacatga agtgaaagat ggtccgcacc aagaaaactg 480
 gacaaatgac atctaaggca gctaggaaat tgctgacaag atgatttttt gagaagcaag 540

<210> 9915

<211> 535

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g09a1

<400> 9915

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 tccaccacc ggataaactc cttcttgga aatcggaggg acgagatcat gaggctcgtg 120
 caaaagcttg ctcgggactc gcgcaatggc ttcaccaaag tagaacttaa atccaggttt 180
 tcggagatga catttaacac tataatgagg atggtgtcag ggaagaggta ctatggtgaa 240
 gactgtgatg tgagtgatgt acaggaagca aggcaattta gagagatcat taaagagttg 300
 gtgacgttag gaggggctaa taaccctggg gacttcttgg ctttgcttaa gtggtttgat 360
 tttgatgggtt tggagaagag acttaagagg attagtaaga gaaccgatgc gtttttacia 420
 ggactcattg atcagcatcg taatggaaag catcgtgcc aatactatgat agatcatctt 480
 cttgctcaac agcaatcaca acctgtatat ttcaccgatc aaatcatcaa aggac 535

<210> 9916

<211> 475

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g09d1

<400> 9916

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cttggcacat agcttctaag ggatattttt ttgacacagt aagtcccttt ccttcagtca 180
tatcaatttc ttttttagta gtccttttcc actcaaaaca ttggattaat aaggccagag 240
ttatgctcag tgtgcggtga gccatgtttg ctccagggca agccctcttc cctatcccaa 300
atggaagtaa cttgtttgct tcactttcat tctctaacct ctcaggctta aagtgtgttg 360
ggtcactcca caacttggga tctctatgaa tggcccaagc attctccaac aatattgtgt 420
tctgtgggat attatattct cctatggcgc aatcttctga agacaatatg gggtc 475

<210> 9917

<211> 514

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g10a1

<400> 9917

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ccaaatccac tccctcctcc tgtcttcgct cgagatccga gctaagcacg ggattcggat 180
ttccgtttcc atcgctctct cttcaccagt tttgcgctta aatggcatca agcgaggggt 240
ttctgaccga tggacagaga gagattctga aaatagcgag tcagaatgtg gagaatttgt 300
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actccgaaa gtatgggagg gcgaagaatg acggtgctgg tggtaaaggc acttgaggga 480
aattgcttga tacagatggg gaatccgta taga 514

<210> 9918

<211> 385

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g10d1

<400> 9918

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ggaaagaaaa gaaaaaacag attcaaagga tcatgagaag gccaaaccatc ccacagattt 180
atccacattc aggggaagct taagtgccac aacctttttt agagaaacaa tgaaaatttt 240
gtcctcctca taaagctggt gcagcccggg ccagtttagac atctggggca gtgggatcaa 300
atgatggggg gagcccgccc tctttcaagg catgctccaa atagaaactg aatttctcgt 360
tagcgtttgg aatgtccaga gcgag 385

<210> 9919

<211> 362

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g11a1

<400> 9919

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cccatactga agacatcata cggcacttca caaccgccta gtaaggacta ttgtgacctt 180
cctgtggcta gctgctaaaa tatgcttaac ccatatctga agacgtgacg gatgtgagac 240
tcctggctgg gtcaatgctc accctcttga aggcgtcgct gtccaggttc ctgctaacca 300
ggtcgaacct ggtccacttg gccctgttgc ttgtgggtgc cccctacacg aaccaccgtc 360
ca 362

<210> 9920

<211> 336

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220106g11d1

<400> 9920

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tgggaacatt ttgtggggtt gacacgtgca catccctgtc tgctattaag atcctcacca 120
 cgatgttgtg tccacaccta attattactg ccggaccatt aatcttcacg tgatctggga 180
 acgttaatag cagcttagtc ctgggccacc ggtcttttga tagggacgtg gctacatcgc 240
 ctcagacttt actgtttctg gaggccctt taggcttggt catgaccgaa aggaattcgt 300
 tcttgagcct ggaatgcaac ttgttttatg gtgggt 336

<210> 9921
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106g12a1
 <400> 9921

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 gtttctctca tcttggtggt tggagtggcc atagggtgtg tggtgccgt caacaagaaa 180
 ggcgaggatc ccacacttca atctcaacaa aaatcagtag gggttatctg ccaaaacact 240
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 ccaaaagctt acatcgccaa gtcggtgaaa gccaccatgg acagcgtgac cagggccttc 360
 aacatgagtg ataggctcat taccgagtac ggaggcttcg attacggaac caagatggcc 420
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 atggttcaca acaacaac 498

<210> 9922
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106g12d1
 <400> 9922

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 tcagttaaaa catttccggc tgacctggaa cgattaatgc attgaacacc aaattggcta 180

cggactatga ccctcatcat cacgctctgt aacagtactc aagcgatgat gcacggatat 240
 gtggctgtgt tattggtatg catccttgat gaaccttatt gcctgagggg caccataagc 300
 ttgtacccaa gctatcacac cgttggctac acgctggctg aactgggcag gggcgatatc 360
 gggagctgcg tgggggcca tgagtgcacg gtttcccgtc cacttgctcc ggccgtgaac 420
 gtgggcccc attccatgac tagggcagtc accgtatgcc aaggggtgtt gtgcgcgggtg 480
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<210> 9923
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h02a1
 <400> 9923

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 aactttgacc ggtaagacca tcacccttga ggtggagtcc tccgacacca tcgataacgt 120
 gaaagctaaa attcaagaca aggaagggat cccacctgac cagcagagac ttatctttgc 180
 gggtaaacag cttgaggatg gtcgaaccct tgccgactac aacatccaaa aggaatccac 240
 tctccacctc gtgcttcgcc tcaggggtgg catgcaaate tttgtcaaga ctttgactgg 300
 caagaccatc accctcgagg tcgaatcctc ggacaccatt gataatgtca aggccaagat 360
 ccaggacagg gagggtatcc ctccagatca gcaaagttga tatttgctgg gtaacaactt 420
 gaggatggaa agacccttgc tgattacaat a 451

<210> 9924
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h02d1
 <400> 9924

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 ataataaaca gcagcactta aaccagagat gcaaagcaca agttcaaggg agacactgaa 120
 caaacagata agacatatga gaacacttca taaaagggat tccccttagc aaccaccacg 180

aaggcgaagg acaagatgca aagtggattc cttctgaata ttgtaatctg ccaaggtacg 240
 accatcttcc aattgcttcc cagcaaaaat gagcctctgc tgatctggag ggataccttc 300
 cttgtcctga atcttagctt tcacattgtc aatagtatca gagctttcca cctccaaggt 360
 aatggcttcc cctgtcagag tcttcacaaa tatctgcata cctccacgaa gcctcaacac 420
 caaatgcaga gtggactcct tctggatatt ataatcagca agagtacgac catcttccag 480
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<210> 9925
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h03a1
 <400> 9925

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 agcgatgggtt ggggttaatc ggaagaaagg cctctttgtt gggaggatca ggaagaagaa 180
 gaagatgggtt gagcttcgca gcagcagcag cagcaacaac cactaccaat ggtggggcca 240
 tggaggaggtt gctttcacag ctccaatctc atgtccagaa ggctcttgct ggtggaggac 300
 ccgaggcagt gaagaggaac acgagtagga acaagtttct gccccgtgaa agaatcgatc 360
 gcctccttga tcccggttct tccttcctcg agcttttaca gcttgcagga cattacttgt 420
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<210> 9926
 <211> 584
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h04a1
 <400> 9926

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 tcaacactaa ttttattatc tgaaaaaatg gctttcaaag tttcgttttt ccttgcactt 120
 gttctagttt ccaatatcct cctccttgat acaacagctg ctggacgcag cattggcgaa 180

aactccaact cagaggaaaa gaaagagcct gagttcttgt tcaagcatga aggtgggggtg 240
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ccattacctg gtggcaatgg aaatggagga gcaggaaccg caacaggatc acggatcacc 360
accaggtagc agttatgttc ctggtggtga tgacactttt gtcccaaacc ctggttatga 420
ggttcccatt ccggcagtgg ggaagtgttc cagcaccagc tgcccatgag ttaactcatg 480
catgataatg tgatgcatgg tagttaatag gtgggtatgc ttagtttgtc tttttcttct 540
gtttctagcc ataataaac ttatcataat aagtatgctc atgt 584

<210> 9927
<211> 464
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220106h05a1
<400> 9927

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aagcagtaat ctccatgagc ttctattgaa ttgatacttt gatcaagatg gatgggaaaa 180
actctcttca aataactaga agtgggtattg gtgcttatga tgatgatgga catgccaaaa 240
ggactgggaa tttgcagagt gctgtagctc atatcattac tgctgttatt ggttctggtg 300
ttctttctct tgcatggagc acttcccaat taggatggat tggagggccca ttttccttgc 360
tttgttgtgc aattgtcacc tatatttctt cattcctcct gtctgattgc tacagaactc 420
ctgatcctgt cactgggaaa agaaactact cttacatgga tgct 464

<210> 9928
<211> 441
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220106h07a1
<400> 9928

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gctgacagga tgcctctttt gtggccccct attccttatg ttctgtttcc ttaacaccgt 180
 tgccattgct tatagtgcaa ctgctgcctt gccatttggc acaattgtgg tgatagtctt 240
 aatatggaca ttggtaactt caccattgct tgtgttgggt ggtattgcag gtaagaatag 300
 caaaactgag ttccaagcac ctgtccgcac tacaaaatat acccgagaga ttccacctct 360
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<210> 9929
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220106h08a1

<400> 9929

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 gcacgtacac ccaatgggtg gatttcttgg tactctgtca tctctatctg ccaccaagct 180
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 tgctcttgga gcaggaatat ccaattcagt tatctgcact accgttaaca nagtttgtgc 360
 atcaggaatg aaagctgcaa tgcttgctgc acagagtatt caattaggca caaatgatgt 420
 ttgttgtggc tgggtggtat ggaaagcatg tctaattgtcc ccaagtacct ggctgaagca 480
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<210> 9930
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106h09a1

<400> 9930

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ccagaagatt gattacttaa aggacaagat tcagccctcg tttgttaaag agcgacgggc 180
aatgaagaga gaatatgaag aattcaaagt acggatcaat gcccttgtag ccaaagctca 240
gaagatgcc a gaggaagggt ggacaatgca ggatggaact ccttggcctg gaaataatcc 300
tagggatcat ccgggaatga ttcaagtgtt tttaggtcat agtggggggc tggatacaga 360
tggaaatgag ctgcctagac ttgtttatgt ttctcgtgag aagcgaccag gcttccaaca 420
tcacaagaag gctggagcta tgaatgcttt gattcgagtt tctgctgtct tgaccaatgg 480
tgcatacttt ctgaatgtgg attgtgatca ctatttcaat aatagcaaag ccctcaagaa 540
gccatgtgtt tcatgatgga tctgttctt gg 572

<210> 9931
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220106h09d1

<400> 9931

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tatttaaggg gttgaatcct ccaaacaact tcaataggct gaaaattctt ggtatattca 180
cgacatcaac cttgtgtatc tccaagcata aggaattac agcactaaat gaatcataca 240
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aacattgggtt ggggtacgac tttgcctgcc caagagaccc ttcaagaatg ggtatagatg 420
ggcaatgacc cagattgcat aaaacatctc gccaaatagt ggacccaac actggc 476

<210> 9932
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220106h10a1

<400> 9932

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 tggatttcgg agagcgcaac ggctacctga aggggtgctgt cactgacgtc atccacgac 180
 ctggccgtgg cgcgcctctc gctaaagtgc ccttcgcgca cccgttccgc tacaagaagc 240
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 tcatctgcaa cgtcgagcac catgtcggcg accgcggcgt cttcgctagg gcgtctggag 420
 actacgcat tgttatcagt cacatccctg ataatgacac ctctaggatt aagctcccat 480
 ctgggttcaaa gtagattgtt ccaagtgact gtagggccat gattggtcaa agtgcattgtg 540
 gagggagaac tg 552

<210> 9933
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h10d1
 <400> 9933

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 aagacgacca gtccctcctag cagcaatgag accaacctct tgtgcaggag gagcatcacg 300
 cctgacagta cttgcgtgac caatatgctg gtgattacct cctccgtggg gatgctcaac 360
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<210> 9934
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220106h11a1
 <400> 9934

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 ctgaccctat cttggagcgc cttaaataac tcaaaattac accgtccata ttgacctcac 240
 cccaacaga ggggacttta actgatattt tagtgaggaa gccttcgctg tcttcagttt 300
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 aggcccaaga gatttgcatt agacaggagg aaatagaaaa caaaattgaa gttgcagatg 420
 ctctagcgat caaacttctt cagcgatata atcattcaac ttctacaatg aagactgcct 480
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 attctca 547

<210> 9935
 <211> 335
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220106h11d1

<400> 9935

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 tctcctcagc cgctgcctc ttcttctccc gtttctccac cgacttcttc tccaaaaaca 180
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 ggagcaccag acccacttct tctgctctg gtaca 335

<210> 9936
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220106h12a1

<400> 9936

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 ccgtcgtcgg gttggaactt gcgctgtggt cgaagtgttc atagattaag aagagtgatg 180
 gatgaggcag aggaggagca gcaacgtcgt cgtttaaagc ttgaagaggc ccttgaaatc 240
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 gttagaagat atgagatggt cttataggaa gcttccacct tcccataaag ctttgttattc 360
 ccactattct cgaaagtttc aaagattacg cctgggtgat ctcaatgaat acacatttca 420
 tatteggcat gttcatgca tttgaacctc cacttgacat gagccangac gtagattttt 480
 gtgaaagatc cacatcctga atcgacccaa aaagatcatt tagtttctga agggattaga 540
 gccggttcat gtgagtc 557

<210> 9937
 <211> 459
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220106h12d1

 <400> 9937

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 gctggtacgc ctgggttgct caccgagcgc taccgctca gatggaaaac ccttcccccc 180
 gtggtgcacc ggggtgatgc gtttcgggct ttgccacggg acgtggccct gccccgggtc 240
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 tgccggttatt tagccgagca gtcattcgtg gcgcgatgtt gagtccgtga ctggtttctc 360
 atattgatga tacctccatt gacgaacggc ctaactcaga gacaacatcc aaaactgcat 420
 gctgtctact tgtactgata tgtgggtatg gctgcgtag 459

<210> 9938
 <211> 591
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220108a01a1

 <400> 9938

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 ccatcatctt tgctgcctgt gagtgctggt acccctagta taccatctgc ttccttgctt 180
 ccatctaatt tgcctccagc accttctgct ttacctcctg ctccatcagc tttgcctcct 240
 gcaccgtctg ctctatctcc tgcattctct gctttatctc ccgtaccttc tgcaaacatt 300
 gcttctgaaa atttgccagt atcagtaaca aataaggcac ccaatgtttc aacttcagca 360
 gctatgtag ctgctaactt gccatcactg accatttctg gtccagatat aaatgctata 420
 gtgccacca tctccagcaa accgcatgca atttcagcct ggaccaagta tagtttcttc 480
 agctcagcct tcacaagcac ctcataagga tggtgaagtg gttcaggat cgtcaacatc 540
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<210> 9939
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108a01d1
 <400> 9939

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 actacttatt ctgcgaagcc aaacatatca caggctacac accactgaag cattatatct 180
 aacatagtta cgatgctatt aggggaggct acctaggctc ttgttctcca ccatgtccat 240
 gactaagcat taactgccac ctacatagtg ccaactgggca tgccacgtcc actccctcgt 300
 gcattatagc cgtaccctcc tactatttca taataaccat cttgggtacg tacaccacgg 360
 tcagggccac ggacctcacg agcaccacgg ggctcccaa gaggaccata cgtgtca 417

<210> 9940
 <211> 569
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108a02a1
 <400> 9940

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 acggtgacac tggcagagtg gaatttccgc cgccattcga agctacagcg atggccataa 120
 ccgccaccat ttccgttccc ttcacatccc ccagtcgccg cactctcgcc tccgtcaata 180
 gcctctctcc gcgttctacc cgatccactt tgcccacacc gcaacgcact ttcaaatacc 240
 ctaattcgcg cctcgctcgtg tcttccatga gcaccgaaac agccgtcaaa acttcatccg 300
 cctccttctt caaccgcaag gagtcgggt tcttccattt cgccaagtag cacggcctcg 360
 gaaacgactt cgttttgatt gacaacagag actcctccga gcccaagatc agtgctgaga 420
 aagcgggtgca actgtgtgat cggaacttcg gcgttggagc tgacggagtt atctttgtct 480
 tgcttgcat cagtggcacc gattatacca tgaggatttt taactctgat ggtagtgagc 540
 ctgagatgtg tggcaatgga gtgcgatgc 569

<210> 9941
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108a02d1
 <400> 9941

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 tattaaaggg gggaagatcc gtaataaact acatcggctg accctggcag tataaacatg 180
 attatcttcc tccctccatt caatctgaag aggtcctcca gagagatcaa ccgtgcaatt 240
 cctctccagc acgacctca agaactggtg caacaacagc tggacaagct ccaattccac 300
 aagctagggg tggctctgct ccccgctccc agacacccat tttcaaggga gaattaaacc 360
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<210> 9942
 <211> 584
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220108a03a1

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Pressure	1.0	atm
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Sample volume	1.0	L
Sample weight	0.1	g
Sample size	0.1	mm
Sample shape	0.1	mm
Sample color	0.1	mm
Sample texture	0.1	mm
Sample density	0.1	g/cm ³
Sample viscosity	0.1	Pa·s
Sample conductivity	0.1	S/cm
Sample refractive index	0.1	mm
Sample absorbance	0.1	mm
Sample transmittance	0.1	mm
Sample reflectance	0.1	mm
Sample emissivity	0.1	mm
Sample permeability	0.1	mm
Sample porosity	0.1	mm
Sample surface area	0.1	mm ²
Sample volume fraction	0.1	mm ³
Sample mass fraction	0.1	mm ³
Sample molar fraction	0.1	mm ³
Sample weight fraction	0.1	mm ³
Sample mole fraction	0.1	mm ³
Sample mass fraction	0.1	mm ³
Sample molar fraction	0.1	mm ³
Sample weight fraction	0.1	mm ³
Sample mole fraction	0.1	mm ³
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Sample molar fraction	0.1	mm ³
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Sample mole fraction	0.1	mm ³
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<223>      Clone ID: jC-gmf102220108a03d1

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<223>      Clone ID: jC-gmf102220108a04a1
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<210> 9945

<211> 473

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108a04d1

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ttgatgaaag cctggttcgg gtgggcccgg atggtggtgt ggaggcccaa taggcggaag 420
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<210> 9946

<211> 382

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108a05a1

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tgagttgagg gaaacccttc ttaaattaca ggaagcaggt tctgaagaag atgcagcata 300
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<210> 9947

<211> 476

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220108a06a1

<400> 9947

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tggaagagaa taatattatt aatgatgatg ataataataa caagtctgag ggcatttga 180
cttctgccgc tgcttttgtg gaggggtgga ttcaggacgc ttgtgatgat gcttgcagta 240
tatgccttga agctttctgt gatagtgatc cttccacggt gacgagctgc aagcatgagt 300
ttcatcttca gtgcattctc gaatggtgtc aaagaagctc ccagtgtccc atgtgttggc 360
agcctatcag tctcaaagat ccaacaagcc aagaattact tgaggcagtg gaaagagagc 420
gaaactntan gttcaatcca tctaaaaatg ccacaatatt tcatcatcca aactg 476

<210> 9948

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108a07a1

<400> 9948

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 aagatgatcc tacagcagct ccaaaggcac cggattaagg gacgaagaaa ggggtgcctga 180
 acaggacggg aggacctgca aactcttaat gtaactacgg acgagttacg catagcacat 240
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<210> 9949

<211> 515

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220108a09a1

<400> 9949

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 gtcaatctca agagtgggtg agatgttgtt ttgtgcaaga atttgatggg aaggaagcat 420
 aatttggtga agcatgggtg tgggtgtgtg aactacaatg aagttgagca gttcatttgt 480
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<210> 9950

<211> 577

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220108a10a1

<400> 9950

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aggatctcca acccaagttc agtttccctt tcaattaagg gaagaagttt cccatccgtt 180
acattgcagc ccagagggcg tcggtttcag cttagatgtg cggcaaaacc agagacagtg 240
aagaaggtgt gtgacatagt caagaagcaa ttggcactgc cagatgaatc agctgttact 300
ggagagtcta aatttgctgc gcttggagct gattctcttg acacggttga gattgtgatg 360
ggacttgagg aggaatttgg tattaccgtg gaagaagaaa gtgccagag tatcaccacc 420
gttcaagacg ctgctgatat gatcgataag cttcttgaaa ccaaagctta aactagtaaa 480
aaggacaagc atgtcccatt tagagttttt tgctatgtcg acggaagggg tttttaatct 540
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<210> 9951
<211> 540
<212> DNA
<213> Glycine max
<223> unsure at all n locations
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<400> 9951

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gctttgtata tcttttagtg gataaggata caacagcatg cggtggtggc ttagtctctc 180
agttgatgta taccgcaaag tgatttcctt gaatctgtat tgcaaagtta ttctgtaact 240
cttaagtccc ttttgatcaa aaaccttttt caatcatctc actcatctat tccttgcctt 300
gaatcaatgg gatccaattt ttttggtgtt gttccttggt atgtccgtca gattagctga 360
aaacccccac ccctatcttg tttcaaacct cttattttca atcagcctct tttaacattt 420
tagttgtcat tagtttctag ccattttctc tttggtggtg tttgtagaca agtcaaatta 480
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<210> 9952
<211> 559
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220108b01a1

<400> 9952

gcacaatcaa gagacaacaa atttccatcc ttgagatctt ataattctgg cagtttagtt 60
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 cccagaccac ctggctctac aagatctgtt agcatggacc tctccaaggc accactggaa 180
 tcagcttcat ctgttgatct ttttcagtta ccagcagcac catctcaagc tccaacattg 240
 gatttggttc aatcatctct ttcacggca gatccatctt tcaacgagaa tcaacttagt 300
 caaacatccc atcttgcac tattgatttt ttttccgatt tttctccgca gccttctact 360
 gtaacctcag atgggaaggc actggaatta tctgtcccta aaaatgaagg atgggcaact 420
 tttgatatgc ctgagagaac ctctctact gcacaagtgg aaattccaac cactgtaccc 480
 tcaaagcta aatctttaga agaaaatttg atccattntc tacctcaaat gcaaacatgc 540
 aatggccatc ttttgatat 559

<210> 9953

<211> 525

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220108b01d1

<400> 9953

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 aattacaatt atattataat tatgaacaaa gtgaaaaata ccctcaatag tctctcagta 180
 aagttcaata ccagccagat cactaattaa acatcaagaa aactatcact caattacagt 240
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 tcaagtggaa gcgaagtgat gaactacatt ttgctcttaa caaaacatta caattacttc 360
 cacgtcaac tgcaactggc gccataaat ttctatgaaa aggaatagta cattctacag 420
 cacaatccta tgcaaaagga tttncggga tcgaatcaac tgattccggt ttttgatgt 480
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<210> 9954

<211> 508
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
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 atggagaagg ttgcaaagac tgtggagggtt gaggagttga cgggtggagga gaggaatctc 180
 ctctctgtgg cttacaagaa cgtgattggt gcgaggaggg cttcgtggag gatcatatcc 240
 tccattgagc agaaggagga gagcaggggc aatgaggacc acgtggccat tataaaggag 300
 tacaggggca aaattgaggc tgaactcagc aagatctgtg atgggatttt gaacctcctt 360
 gagtccaacc tcattccttc cgctgcatct cccgagagca aagtctttta ccttaaaatg 420
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 gcagagagta ctttgcttgc ttacaaat 508

<210> 9955
 <211> 417
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220108b03d1

 <400> 9955
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 acatatccaa tcaactacca cattggaact ggcacggct attcgctgg gtggtgctta 240
 aatgtttcct tgatctcatt tccaacatcg gccgggatgt ctggtgtccc caaagccaaa 300
 ttgtcccggg aaagttgcct gaacaatgga ctatctttgg atgacccttc cccaatggg 360
 gcaagctcgg aaattgcctc atcaaaagcc cgcttgggaa gattacaagc acgatct 417

<210> 9956
 <211> 443

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220108b05a1

<400> 9956

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 aatcgttcta atccacaaaa aatgacctta aattacaaca ttgccctcgc cttctctgcg 120
 gtgctcacgc tgctcctctt tcccctactg accgtagggg agctcgtgga ggagcagcca 180
 ctagtctca agtaccacaa cggccagctc ctgaagggcc gcatcaccgt caatctcatc 240
 tggtagcgga ccttcacccc gatccaacgg tccataatcg tggactcata aatcttcggt 300
 aagcagcgcg ccaaacgcgc tctatcccct cgaccgccac ngtggtggaa aaccacggag 360
 aagtacaagg tgggaggagg gatcccctgc gcttcgtcgt agggatgcac gttcctacac 420
 ccgggttaca cgctaggga aaa 443

<210> 9957
 <211> 332
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108b06a1
 <400> 9957

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 cgaacaggtc ctcaccaacg attttcagga cctttcaatc aaagatctga gtgagaaagg 180
 gactgaggca gagattcaca aggtgggggc ttatggaagc catgggggaa tctgtgctat 240
 ctgcttggat aagatagtgc tgcaggaaac tgctcttgta aagggtgcga gcatgcttac 300
 tgtgtaacat gcatccttca ttgggctaca ta 332

<210> 9958
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108b07a1

<400> 9958

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tcttcccat ccttggctgg caaggccgtg aagctgggcc catcagcccc cgaagtcggg 120
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gccagaaacc gtgagctcga agtgatccac tccaggtggg ccatgctcgg gcccttgggc 360
tgcgtcttcc ccgaactgtt gtcccgcaac ggggtcaagt tt 402

<210> 9959

<211> 541

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108b08a1

<400> 9959

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ggcacctga tgagaacaag gtcttgaatc tcaaactttc caacatggga ctcaggggcc 480
gtttccttcc ggcattagaa ttgcacaagc atgacaggat tagatttttc gcttacagac 540
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<210> 9960

<211> 572

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108b09a1

<400> 9960

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 taaaaacccat cctcaacaac cacgtgcagc accaccgcgt ccctcaactc ctcccttcttc 180
 acggccccag aggcgttggc aaaaccaccc tcattaacca acgtttactc ccagaatgga 240
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 aacaaatatt cgctaccctc aacaaatggc acggcctgac caccgcctc cgccttgtgc 480
 tgcagggcaa gtcccgtgtt ccggaccggg ccttcccgtg gtgttatggg accgcgctgt 540
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<210> 9961

<211> 563

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220108b10a1

<400> 9961

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 tgccacaca attaatggac ttccagggcc attgtataac tgctctcaca aagatacatt 180
 caagttgaag gtgaagccag ggaagattta ccttctacgt ttgatcaatg cggcactcaa 240
 cgacgagcta tttttcagca ttgcaaata caccctcaca gttgttgaaa cagatgcagt 300
 ttatgtaaaa ctttttgcaa ccaacacccat ccttataacc ccaggccaaa ccactaatgg 360
 ttattctcaa aaccaattct cactaccca atgccacatt cctcatgact gcgagaccat 420
 atgctactgg ccttggcact tttgacaaca caactgtggc tgccatattg gaatacaaaa 480
 ccccatcaaa tactcaccat tcagctgctt cactgannaa ccttcactc ctcaaacct 540
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<210> 9962
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108b11a1

<400> 9962

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 tgagtaataa aaaaagatag gccatctcca ttgccagcta aaagaccct agataatagt 180
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 actaagccag tctcggtgaa acatgagctg aaggtagagg atgatgatga tgatattcct 300
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 aagaagacag ttaaaaaatc ggcagtggtt cagaatattc caaatctaca aagcttcttc 480
 ctagctctgg tgatgg 496

<210> 9963
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108b12a1

<400> 9963

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 gggaaattag gaccagaaac agttcccca atcttgcttt ttgtctggct cttgtttcta 180
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 gctcatgata g 431

<210> 9964
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108c01a1

<400> 9964

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 atgtgggtct catacgaaag ggaatgaaga cctatgacta tattctagcc ctgagaaaaag 360
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<210> 9965
 <211> 354
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108c01d1

<400> 9965

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 cccctgttcc ctagggattt accccccctt gttttaattc ccggggatcc atgttttttg 180
 gaaaacgccc ctttcaccca cttttttttt tgggggggga atgccacctt ctaaaaaacc 240
 accttggtta tcttggggag ggggcgctat gatttttgcg ggcccccgca ccctacacc 300
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<210> 9966
 <211> 602
 <212> DNA
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<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220108c02a1

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<223>      Clone ID: jC-gmf102220108c02d1

<400>      9967
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<210>	9968
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<212>	DNA

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<400> 9968

<210> 9969

<211> 576

<212> DNA

<213> Glycine max

<400> 9969

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ggaactgact	atgggtgcata	cacttatgag	aatcttgaga	gagagcctta	ctggccatca	120
gagaagctta	agatttccat	cactgggtgct	ggggggttta	tgcgctcaca	catagctcgg	180
cgctcaaga	cagaggggca	ttacattatt	gcttctgatt	ggaagaaaaa	tgagcacatg	240
actgaggaca	tgttctgtga	tgaattccat	cttgttgatc	tcagggtcac	gaataactgc	300
ctcaagggtta	cagaggggggt	tgatcatggt	ttcaatcttg	ccgcagacac	gggtgggatg	360
ggttttattc	agtctaacca	ctctgtcatt	atgtacaaca	acacaatgat	tagcttcaac	420
atgattgagg	ctgccaggat	taacggcatt	aagagggtttt	tttatgcctc	tagtgcttgt	480
atctaccctg	aattcaaaca	gttggaaact	aatgttagct	tgaaggagtc	tgatgcatgg	540
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<210> 9970

<211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108c05a1

<400> 9970

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 acgacaattc actcaccctt tcatttgaac acaacttaac ataaaaaaat atccaagaca 120
 agagtgtgtt gtttgaattt gaacggaaat tcaattctct cctctcccat ttcagtgtctc 180
 acaaacaaaa accgatgcaa aatctcaaaa cccagagag agatgtctga cgcgttctgc 240
 agcgactgca agagacagac cgaggtggtg ttcgaccact cggcggggga cagagtgtg 300
 ttccgagtgc ggactcgtct tggagtctca ctccattgat gaaacctnec agtggcgaac 360
 cttcggaat gagttcggcg acaacgaccc tgtccgtgta cgggtgggctc accaaccgcg 420
 tactaaccga cg 432

<210> 9971
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108c06a1

<400> 9971

caaacacaaa cctactttga agcccaaagt gcaacgtact ttgcaaaaac cctaaaccct 60
 ctcttttctt ctccgcgact ctgtactcat caatggcgac gcaatcgta gacgaagaaa 120
 caactaagaa agtcatacga caggctcgagt tttatttcgg cgacagcaac cttctcaccg 180
 atggtttcat gaggaagagt atcaactgaaa gcgaagatgg catgattagt ttggcgctga 240
 tttgctcgtt taatcgaatg cgaaaacacc ttaatttggg tgatgttaag cccgatgaag 300
 tggcccaaga aaccgtgaat actgttgctc aaactttgag aaattcggct tcaactcaagg 360
 tctccgaaga tgggaaaaaa gttggcagga aaactgaact tccaagctag aagatgttga 420
 gcaggtggag ataagaacac tngctgtatc accatttgat atgatctgaa gctngaagat 480
 gtggagaaat 490

<210> 9972
<211> 558
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108c07a1

<400> 9972

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tgtactcttt gtttgttttc ttgtttgttt gttactctac caatctttag aagaattcag 120
cctttgaatt ttggtgtcct tttttatcaa tcaaggccaa actcaaaatc ccaacttttg 180
taaataaagc ataatggaat ctgaaaatgg agtcgctatg gaggacgaga aacacgtcat 240
tggggaaaca accaaggaga atataaaca agaagctgaa aacagttgta attctgaaat 300
tcagaccaag aatgaggtat ctgaagctgt tgtaaaagtt gaaggtccca aatctgcagc 360
aagtaaaatc tcaaaacttg ccaaggaaca tgggtggcaag ggtggtgttg cttcaaagaa 420
caacaaatct gccaccaaag acaaaccxaa tttgaagtct acaacttcat ctcagacaca 480
caggccaaac ctttcagag cctttcttgc cagccaaaca gctggaggag atggcatgaa 540
gaacagcact aatggaac 558

<210> 9973
<211> 575
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108c08a1

<400> 9973

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tagtctatct tgatcatggg tttcaattct gtctatagaa acttgcagga gatatttccg 120
caggttgatc cccagctact gagggctgta gctattgaac acccaaagga tgctgatcta 180
gcagctggaa tagttcttgc ggaagtcac ccgttcatgt ccaaaaaact acctgctgca 240
attcctccac agcacaatga ccatggagcc ccactagatg ttgaagttga aagtgaggaa 300
gaaggcaata ggttgaggca ctgtcagcgt gttgatgacg taaatgtggg gccttctct 360
actttgtcaa atggctgtaa ttcaaaagat gatactgaaa aatttcttgg aatggatgat 420

gtaattgtat ggataaatga tatcgttcaa cagcacattg ccctatacaa gttgtgacac 360
aagttgtgac caaattgtta tgtatttaga cataatagtt cttttacttt tt 412

<210> 9976
<211> 553
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220108c11a1
<400> 9976

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tcgtttatca gaccaccaag aagagggcca gcgggcccaa gtgccccgtc actggcaaga 120
ggattcaggg gattccacac ttgaggcctg cagagtacaa gagatcaagg ttaccagaa 180
accgtaggac tgtcaaccgt gcatatggcg gagttttgtc tggaagtgtc gtcagggaga 240
ggattatccg agctttctta gttgaagagc aaaagattgt gaagaaggtc ttgaagatcc 300
agaaggcaaa ggaaaagcaa gcctcaaagg cttgaatttg aacaacacaa tgagacatct 360
ttttggagga cttttaggtt tgagtgggta tagttaatca caaattttat agagttgtca 420
tgtaattgt cttttattat nttgcctgtt tgaactcttt ctaagcaagt gttatctttg 480
tcgacatgtc attatataca gntttgtttc tcattntctt tgatgggtat tgggtatctg 540
ttctatatat tct 553

<210> 9977
<211> 458
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220108c12a1
<400> 9977

cttttccttc tctaaccct ctttctatt aagaggagaa ggaataacaa aaacaatata 60
cacaatggct ttcgctttca ctttcaccaa aaccctaatt ctcttcgtct ccctctcctc 120
cctgctncta caaaccacg cggaccgcgg ccccgccacc gtccaggccc gcctctacag 180
cctctgcaag cccaccacca atgttgggct gtgctacagg accatcctgc cggaggtgtc 240

gggcctgccc cgcttcaact attacaaggc cctcgagggtg gagatgctcg tgaccagaa 300
 acagggtggag aaaacctcga agttgatcag cgtgctcctg gcgaggcccg gaaactcgaa 360
 ggatctcggc gactcactcc agatttgtaa ggagcagtac ggcaacatca tggactcgat 420
 ggcgagggcc aaaagtcaag tggctcacgc aacgtcat 458

<210> 9978
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220108d01a1
 <400> 9978

ccactttctg ccaccgtcag gattcacctt ttcttatatc agttgggtgga aactataaat 60
 tgtggctgga gttggatagg aacggagcag aacagaacta tagtatctca tctctcttga 120
 tagtagaagt ggtgctgact ttcttgtgat cagtgatgct ggtgaaatct ctctcacttc 180
 attctcatgc cttctcaagt tgcagttttt ctgcaagtga aattggaaca aaccaagtt 240
 gggttccctt aaagtcctta aatagcctct gctgttcctc caagcctaga aatttatgca 300
 gatttttgtg tctgagcact caaaatgggtg gcttcagaga aaactctggg gaagttggac 360
 ttggagatgc agtgataatt gtggatcatg gctcgctcgc caaagagtca aatctcatgc 420
 ttaatgaatt tgtggagatg tttaagcata aaactgggta tgagattgtg gaacctgctc 480
 atatggaatt agcagaacca tcaataagag atgcttttca atcttgcg 528

<210> 9979
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220108d01d1
 <400> 9979

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 aacgaagctc ctcaagaagt cacgtcgaac caaacatgaa gcaaagctca agtgcgtcgt 120
 aataacaact tcagaacagt tgcaacccaa ttacagatt ctcttgactt ccagcctgat 180
 ttaatagcat ccaaacaat ctagtttcac aaattaatag agcctgcatt taccagtccc 240

agaacaaact gaacactcat ctgcatgtac agccacatgc tgtaagcaat gtttgattct 300
 atcattcaca acatccacaa gtagttcatg taatccaagg ggtgcgggta caatgtgtga 360
 cacatctgga tgttcctttg ctgcctctgc acttaaggaa ggaatatacct gagtccaatg 420
 ccttcagga gagaggaaca aagggactga caataatgcg atgagcacc ttgttcaacg 480

<210> 9980
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108d02a1

<400> 9980
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 caggttccaa gcaattgaaa atgggcaatc ggaagacaga agaggaaagg attgaaagag 120
 taattcggag tcttttaaaa ctccccgaaa atagaagatg catcaactgc aatcttttgt 180
 ctatcttgta aggaagattg caagaagttc acaagggaaa atcacgtaca acataaagag 240
 taacatgcaa agagaagaat atactagaaa agttaaaggg accacaatat gtgtgtacaa 300
 ttttctcgac ttttgtctgc acaaattgca gtggaataca ccgagagttt acacatagag 360
 taaaatctgt gtcaatggct aaattttctc cagaagaagt cactgctctt cagcaggtgg 420
 caatgagagg gcaaagcaga tttatttaaa gaatggaatc ctctgcgcca ttctcaccct 480
 gaatccggtat atatacacan acttcgagat ttcattaggc acgtatatgt ggaaaga 537

<210> 9981
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108d02d1

<400> 9981
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 ctgaataaga taaaagttga tgagaaaaca aactatccag aagaatttga tagtggtaac 120
 tagatgattt gagcttgagg aggttcacat actttagag atgaagcttt ctcccttaat 180
 atttctcccg aaggacgtgc aacaggaagt tgtgatttgt ctacattctt ctgatcatca 240

attgaaatTT gttttaactt tgattctatg tttgatagcc tgcgatttct atgttctttg 300
 tctcggaacc tgtcatcaac aacttcaatt tttataggac ttttggtcag gccggcattc 360
 ctagaatact tttgcgtata tctaggactt ctgctttcat catataaaaa tctgagattc 420
 ttgtcatcac tactagcacc agggcatgaa tgaggactta tgatttcaaa acgaaaagaa 480
 ctcttt 486

<210> 9982
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108d03a1

<400> 9982

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 ttatttatcc ttgcctctca tgagtgtgct caacattgcc agagagtgtg gactgcaatc 120
 aactacaacc tcctctaacg aagttgatgt ttgtgctggt tgcttgagga ggcaatgttc 180
 agtggctgca gaaggatgtg ggcatgagct ttgtgtaaga tgtgcactct atctttgctc 240
 aacaagcaat gtttcttcgg agacgtgtgg gcctcctggc tctatccctt gtcccccttg 300
 tagacatgga attatctctt ttgtcaaatt accagggtcc caagcaaaag aaaataaatt 360
 acacgtgtcc ctcagcctgt gtaçcacatg catgctacat ccatgtgacc tagatcgacc 420
 gactgtttct catacccctg agattcgaag aaccgtgtag cttctgttcc atcgagatg 480
 c 481

<210> 9983
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108d03d1

<400> 9983

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 caaaaaggac aattacaaat gtagcaacaa gccgttacag cattcaaagt tcttgtaaac 120
 ctataaaata aatgataaac aacatatatt acacagaact tcctatctga aacaagccaa 180

aacagatagc tatttttctt tttcctctcc ttttgaaata acacctgggtt tttctatgat 240
 aaaaaagaaa tccaattgca atcaattgca ataacaagca gctcatacta attttactaa 300
 tgctctctaa atatcataac tgagaactaa aaagggtggtg ggatgctgat atgcaagatt 360
 atctatcacc tcacatatac atccattgga ctttcacat atgaggctgg ttaataagat 420
 aaactataga ctctcttttt gatctaagat tgtatgaagt atccacaaaa taagaatggc 480
 catgtaccaa cctcttaggt caagcattta tttctgaatt gcattgatgc 530

<210> 9984
 <211> 568
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108d04a1
 <400> 9984

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 cgttgattga ttgatatgaa gtgggttgact ttctggaact gcatatctat cctcgtgttg 120
 tcttttgctt tcttcttctt ctattgtcac acatacacat ctactccttc cctcatggct 180
 gagcaatctt ccaagtccat ttacgatttc acagtcaagg acatcagtggt aaatgatgtg 240
 agtctgaata attacagcgg gaaggttcta ctgattgtga atgtcgccctc acaatgtggt 300
 ttgacacaga caaattacaa agaattgaat gtattgtacg agaagtacaa gaatcaagga 360
 tttgaaatct tggcatttcc atgcaaccag tttgctggac aggaaccagg aaacaatgaa 420
 gaaattcagg aagttgtttg cacaaggttc aaggctgaat ttcctatctt tgataaggtt 480
 gaagtcaatg ggaagaatgc agcgccactt tataagtttt taaaggagca gaaaggggga 540
 aatattggtg atggtatcaa gtggaact 568

<210> 9985
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108d05a1
 <400> 9985

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ccttgggtgcc aacagtctctg cctcacttgt tggctcccct gcaaaccctt ggtcaaagtg 120
 gggttctcct attgggaaag ctgattggtc agtaaagga gactcccttg gtctgcagat 180
 gcgaagatca tcctcgtttg agcgcaagaa caatggggaa gagcctgatc tctcttgggt 240
 ccaatctctg gtgaaggagt cccacactga gatgatcaaa gagaagtttg catctcctat 300
 gcctactgca tctgctgatg gaccgaattc aaattcccaa attgaatcca ttgaccattc 360
 tgttttagga gcctggcttg agcaaatgca gctggatcag cttgtagtct agtcaaaatt 420
 gaccctttac tatcttggtg agataggtat ttaatttcgt aaggtacata ttcttttggg 480
 gaaatttttt gggaagacaa cagggaagaa gtg 513

<210> 9986
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108d07a1
 <400> 9986

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 agtgacggaa ttttagtgatg tattgccttt tcgtcactaa ttctaaagtt acaaaaactt 120
 tagtgatgaa tntttcaaaa gttacatatg aaatatttcg tcactaaaat ttattgaaaa 180
 ttaaatctgg aaaattcatg gttatttttt ttatgtgatt ttatagtttt taataaattt 240
 aaactaatca taaaaaatgt gttaaaatga gtgtaataaa gaatatgtta ttgacacttg 300
 tggtagtat actctactcg atccgatcca gtgtattttt ataggtacca atttcttctt 360
 ccactgttgt tattgtacgt gtaccttggtg tacgaattgg tcgttagatg tttctatttt 420
 acgttttgct atagaaatgt gaagcagaca aagagtctca gatatagcaa aattacaaga 480
 tgcaagatgg agactaaatg taattgagct acgatggcaa taaaatntct tgtttcaatt 540
 tggataacaa tgagatgaga gtgtga 566

<210> 9987
 <211> 569
 <212> DNA
 <213> Glycine max

09313 IN 0300

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tggctcttgcg	agagaaagcc	atgcctgaga	cgaagattat	tggcatgctg	tgtggccaga	120
cactggattc	gagaacattg	cgagatcttc	taaagcctgg	ccctgcaagt	gttgaaatcg	180
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accttcac	aggcaaaaca	atgaaagtac	aattcagcac	gcctcccttt	caacaacat	300
ggggtgttg	tccatggtta	aaggaaatta	aagacactac	taaagaagga	tatagttttg	360
aagagctatg	catcaagaaa	gaagccattg	agggagaaga	gaagttttgt	gcaaaatcct	420
tgggaacagt	aattggtttt	gccatttcaa	agctgggaaa	gaacattcaa	gtactttcaa	480
gttcctttgt	caataagcaa	gaccaataca	ctgtggaagg	agtgcagaat	cttgagaca	540
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<213> Glycine max

<400> 9988

4558

<210> 9989
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108d10a1
 <400> 9989

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 aaaactcatc atcatgttct ctctccaaca attccttcca cacacttcct ctaaaactgct 120
 tgaccattct ctttccttaa agcgccacgg ccaccgccgc ttccaccgcc actgccccac 180
 cactctcagc agttcccacc aatccggacc ctcgctttgt gattccaaaa ctcaagtgtc 240
 tcgtgttccg cttttgactt ccactcaggc ctatgaaaag ctaaaaacat ttagagaaaa 300
 tataaagggc aagcaacaat tccttgccat gtattctagt atttttggtg ggataacaac 360
 agaccagct gctatggta ttctatgga tgaccacatg gtccacagag gccacgggtg 420
 tctttgatac tgcagcaata atggatggat acctatatga gctagatcaa caccttgatc 480
 g 481

<210> 9990
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108d12a1
 <400> 9990

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 gctgcacagc tgtcctacca gtatatcagt gatcgatttt tgccagacaa agctatcgat 120
 ttgattgatg aagctggttc acgagtcggc cttcaacatg cacagttacc tgaagaagca 180
 agagaacttg acaaggagggt gaggcagatt attaaggaga aagaagaagc tgttcgcaac 240
 caagactttg aaaaggctgg agagctacgt gatagagaga tggatcttaa ggcacagatc 300
 tcaacacttg tagagaaagg caaggagatg agcaaggcag agactgaggc aggggatgaa 360
 ggtcctattg tgactgaagc tgacatacag catattgtct catcctggac tggatttcct 420
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aggcgag

487

<210> 9991
<211> 601
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108e02a1

<400> 9991

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ggccaattct tcactctggtg gcaatagaat ccttggcagg ccagtgaaca atagcaccat 180
aacatatctc aggcttggaa ttgatggcaa cattaggttc tacacttact tccttgatgt 240
gcgtgatggt gtatggcaag tgacctacac tctatttgat agagattctg atgagagtga 300
gtgccaatg cctgagagat gtgggaaatt tgggttgtgt gaagataacc aatgtgtggc 360
ttgtccattg gaaaatggac tacttggttg gagcaacaat tgcaactgcca aggctgtgac 420
atcatgcaag gctagtgatt tccactacta caaaatcgaa ggagttgagc attacatgag 480
caaatacact acaggggata gagtgagtga gagtacttgt gaaacaaat gcaccaaaga 540
atgcaagtgt gtgggttatt tctaccacaa ggagaattca aggtgttggg agcttatgat 600
c 601

<210> 9992
<211> 133
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108e02d1

<400> 9992

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atgggttttgc tcatgcatgt tccatgccca tgggggacat attcatacca tctctggtat 120
cccggcacca gga 133

<210> 9993
<211> 581
<212> DNA

002220108e03a1

<213> Glycine max

<223> Clone ID: jC-gmf102220108e03a1

<400> 9993

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caggctattg aactctctgc tgaaattctg tccaatgtga agtttatcca ggagaagcga 180
ttgattggaa aatactttga ggaaatcagc caggatactg ggaagtatgt ttttgggggtt 240
gatgatactc taaaggcttt agagatggga gctgttgaga cacttattgt gtgggaaaat 300
ctggatatga ataggtatgt cttgaaaaat agtgctactg gtgaggttgt cattaagcac 360
ttaaacaagg aacaggatgc cgatcaaagc aattttcggg atcctgagag caatgctgat 420
tttgaggttc aggagaagtt gtctctgctg gagtggtttg caaatgaata caaacgcttc 480
ggttgcactc ttgagtttgt caccaataaa tcacaagaag gtcacaatt ttgcagaggt 540
tttggtggga taggtgggat cttgcggacc agctggatat g 581

<210> 9994

<211> 304

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220108e03d1

<400> 9994

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ggagggagaa aaggcctctc ctttgtcagc taaaccccc ctgggggaga gtaaaaaaaaa 120
aaaagaagg gtttggttgc cccccagctc aaaggcaaag gcgtaaaaaa aaagaaaacc 180
ccgggaaata atccatgagc gggaggcccc ccggaggaa gaaaatgtgg ctagcccccc 240
taaaacacac tgggcatccc cgggggggga aaaaaccct gacagggaga aggtactgac 300
aaaa 304

<210> 9995

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220108e04a1

<400> 9995

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ttcatcgaga cttaaagcca aggaatgttc ttttagtcaa ttctagtgcc gaccatttaa 120
aagttggaga ttttggattg agtaagctta tcacgggtcca gagttctcat gatgtataca 180
agatgactgg tgaactggg agctaccgct acatgggtcc tgaagttttc aaacatcgga 240
gatatgataa gaaggttgat gtgtactcct ttgcaatgat tttatatgag atgcttgagg 300
tgaccacctt tgcangtcgt gaaccttatg aaggagcaaa atacgctgca gagggacaca 360
ngcctcattt tcgggcaaag ggtatacccc tggattgcag agttaacaga gcagtgttgg 420
gctcatgaca tgagt 435

<210> 9996

<211> 550

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220108e05a1

<400> 9996

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catgacccta gaggacatgg tgggagtact tgagggtccc ctcaagagca ccgaattcaa 120
ccgctccatc actaaacgcg gtgtcaattt agcagacctg gcatgcttgc caatctcttc 180
agggtggtat gggacacaag tggaggagaa tacaaggttg attaaggtgc agtgctattc 240
caaagaaggc actgtgaact tctacatgaa accaattgag ggtgtgactg ccttggttga 300
catgaataaa aaagaggtgc tgtcaatttc agataatggc caaaacatcc ctgtggctaa 360
tggaattaac actgactacc gttactccat tcagaagctg aatggaggag agttgaggat 420
gctgaatcca atatccttgg agcaaccaa aggtccaagc ttcacaatta atgggcactt 480
ggtgaaatgg gcaaactggg aatntcatct gagaccagac ccaagagctg gggatcataa 540
ttcacaagcc 550

<210> 9997

<211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108e06a1

<400> 9997

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 aagcgccaag tcatgattag gccatcctcc aaagtcatta tcaaattcct tttggtgatg 180
 caaaagcacg gatacatcgg agagtgtgag tatgttgatg accacagggc tggtaaaatc 240
 gtggttgaat tgaacggtag actgaacaag tgtgggggta ttagtccccg ttttgatgtg 300
 ggcgtcaaag agattgaagg ttggactgct aggcttctcc cctcaagaca gtttgggtat 360
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 ggtggtaagg tattgggctt cttctactag tttaattttt atcaaggatg tcagggattt 480
 caattntgag attcatcggg tgtaatggag gataatgcta gcccctagt agtatcaatc 540
 atagc 545

<210> 9998
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108e07a1

<400> 9998

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 cccagcgacc gagccaccgc gccatggaaa caatcctcca ccctctcctt ctccacctcg 120
 aagccctca agttctcgcg aacaatcaga gcagcagcca ccgaccagac cacagaggca 180
 ccggttgggt tcaccccacc ggaactggac ccaaacaccc cttccccgat cttcggaggc 240
 agcaccggcg ggctctcgcg caaggcccaa gtggaggagt tttatgtcat cacatgggac 300
 tccccgaaag aacagatctt tgaaatgcc actggggcg ctgccatcat gagggagggt 360
 cccaaccttc tcaagttggc gaggaaggag cagtgttgg ctcttgggac taggtcagg 420

tcaaagtaca agatcaagta ccagttttcc agggctcttc ccaaggngag ggtcagtatt 480
 tgcaccaag ggtggtgtgt accctga 507

<210> 9999
 <211> 571
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220108e08a1

<400> 9999

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 ctctactggt tcgtgtgctg tctgggcccc gccgagcaga agggcaaacg cgccaccgat 120
 ctttcgggcg gctccatctc cgccgagaaa gtccaagaca actacaaaca gtactggtcc 180
 ttcttcggcc gcccaaagga gatcgagacc gccgacaaag tccccgactt cgtcgacacc 240
 ttctacaatc tagtcacaga catctacgag tgggggtggg gccagtcctt ccacttctcc 300
 ccctccatcc ccggcaagtc ccaccgcgac gccacgcgcc tccacgagga gatggccggt 360
 cgatctcatc gaggccaagc ccggcaacag aatcctggat gtgggcctgt ggcgtgggcg 420
 gtcccatgcg ggccatcgcg gccactcgc ggcnaacgt agtcggcatc accatanacg 480
 agtaccaggt caaccgcgca aggatgcaca acaagaagca gggttggagt ccctctgcaa 540
 gtcgtgtgcg gaattttctc agatgccctt c 571

<210> 10000
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108e09a1

<400> 10000

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 ttggagatga tccatggcct gaattctgta atatggtgag aagaatcttc atttgttcca 120
 gccaggatgt gaagaagatg agttgtggaa gcaaactgcc gatctcctca gtggaagacg 180
 ggactgtaat aagctcagac acaaccgaaa cctgaaactt ttgacattct ttctgtgggt 240
 tttgcgtttg tttgtcagca gcacccaaat gctgacctt cttgttgctt caaattgttt 300

gtgggaagga agttggtcta tttgggctgg ggtaagtttc atgttatcag atgtgagaca 360
 ctagctaatt gtaacttaat ttgtagagac accaccacca ggcattaatt gtgctagaaa 420
 aaaaaagacc taaacagatt tctttaataa attagtaagt gggaagatgg caaatttagg 480
 cttagtatat tggatattca tgtcaagttg gaagaagaat gtgggggggtt tgatgttttg 540
 aaagacttgc ctttt 555

<210> 10001
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108e10a1

<400> 10001

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 gtgaggggta gtgtgctgaa cgatgctctg aagagcatgt acaatgctga gaaaagggga 120
 aagcgccaag tcatgattag gccatcctcc aaagtcatta tcaaattcct tttggtgatg 180
 caaaagcacg gatacatcgg agagtttgag tatgttgatg accacagggc tggtaaatac 240
 gtggttgaat tgaacggtag actgaacaag tgtgggggta ttagtccccg ttttgatgtg 300
 ggcgtcaaag agattgaagg ttggactgct aggcttctcc cctcaagaca gtttggggtat 360
 attgtattga ctacctctgc tggcatcatg gatcatgaag aggctaagag gaaaaatggt 420
 ggtggttaagg tattgggctt cttctactag tttaattttt atcaaggatg tc 472

<210> 10002
 <211> 432
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108e11a1

<400> 10002

catcaccatc actgtaaaaa gcttaacttg caacgggtgt tcttgtcttg cccaagtgtt 60
 ctgccatatt atactgggtg attttatata aaatcgtaaa ttttctcctt attgggttcg 120
 ttagcctgta ggcaatatag cccccacatg gagaagtagg aatttataca agggcaatct 180
 gtgctctatg taattttaat gtagagacca tgcgctgcta aacatgttga gacactttat 240

atattaccta gggaagactt ttttctgtgt ttttaaggat ctctcgattc attgctttgt 300
 tgtctttcca ggtcagctgt aagttgtatc attctatcat tctgtttgac cttaagccat 360
 gtgttctaaa ttattgtcat taatttattt tatgaatatt tttttttaa aaaaaaacac 420
 catacaatca ag 432

<210> 10003
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108e12a1

<400> 10003

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 tttggttttt ggttttgtga ctgacaccaa tccgataata atactgattc tttctgaata 120
 tcctttctttg gtgacacgtg tcagatcatg tgacagctga ggtgagggtt gagaaactgc 180
 ccaaggcttg aactgagcac tacatggcta cactgggta tgatgaaaac ggagataaca 240
 gaggcggtat gtgggttttg gaacagaaga ttgaccatcc aatggatgaa caagctgaaa 300
 gggtcaaaaa ttcgctcaga taagaaagac tttttacatt gctgcttctg cggcttgcatt 360
 atcctagact tgggtgtacta taaggagatt cgtgaactta ccatttattc gcattatata 420
 atacattccc tcaacaaatg gacagtctga ggatgtgact ggagcttggt ttt 473

<210> 10004
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220108f01a1

<400> 10004

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 ggtttctgtc ctgtcatatt gggcttctac atttatttgg gacttcgtga gcttcttggt 180
 tccggcctct tttgcatag ttctctttta cgtcttttgg ctggatcagt ttgttgagg 240

ggtttctttg ttaccaacaa tcctcatgct tttggaatat ggacttgcaa tcgcatcatc 300
 aacttattgc cttacatttt tcttttttga ccataccatg gcgcagaatg tggttctctt 360
 gatccacttt ttctctggat tgatactgat ggttatctca ttcattatgg gactcatgcc 420
 atcaacaatg agtgccaatt cttttcttaa gaattttttc agaatatctc ctggattttg 480
 tttcgctgat ggtcttgctt cactagctct tttacggcaa ggaatgaaag ataaaacaag 540
 tgatggngtg tttgattgga atgttac 567

<210> 10005
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108f01d1

<400> 10005

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 accaccgtga acttaaacc cgcacgccc acggaccag aggggggggg caaaaccg 180
 cgattaaaaa acgtttactc ccagaatgga acaaaggccc ggacataaac aaaaatgtct 240
 actttggcga atccatcaaa acccaaaccg gcccggtggc cttgaggaaa ggctgccta 300
 agccggggcc ctccgtggcc gcacggcca agagcaaagc ctggagccca agggcgagaa 360
 gggcgtgcgt gcatgcacca tcaccaaaca acaaagtctc gcta 404

<210> 10006
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108f02a1

<400> 10006

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 cgtttcagt cgcacacaca atcgagtctc tgttggtttt tctaaatgca tgagttcgat 180
 ttgattttcc cctgctcctg ccactccgtt ttttggtttt gttcaaacac tcaactgatag 240

aaaaaaagat tcgagaattg gttttgtttt cattggtgag ttggaagtga gagtggcatt 300
 gctgaagtgt aattccattg aaatgagggg aattttaatg agaggggcaat gaaaggggcg 360
 tctgagattt tagagataat aagatgagtg gtggatcatt gggatttcgt tctgggagtt 420
 atgggtcttt ggagaagcag cagcagcagc tacagaacaa tgggtgtgtcg cttattcaat 480
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 agtttgctgg cagaa 555

<210> 10007
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108f02d1

<400> 10007

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 tatcatgata attattgagg attttttaac tctatataca aaaaaaaga ataacgatga 180
 acgaattgca caaagtaaaa agaattgagg gcgtctatgc ggaaccgata caacactcat 240
 cttccctccg gggctgtgct atgaaaatga tttgtgtagg gggaaatgcc aaaccaaact 300
 gatcaatcat ataatcacac aaccaaact gtataattgg cttcatgggt atggtccttg 360
 cttccggcac gaatttaccg ggggg 385

<210> 10008
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108f03a1

<400> 10008

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 gtgatgatcg aggttggtcac atgggtggct atttctccaa ggaaaaacat tctgaggaat 120
 cttacaattt ggcattgtat ctcaccctac caccttacca aaggaaaggc tatggcaaact 180
 ttctaattgc attctcatat gagctgtcca aaaaagaggg caaagttggc acacctgaaa 240

<400> 10011

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gaaaaacaca cacacaaaca ccctttgagt tcattaacct cttcagaaaa aacaacaaca   60
acaacaaaaa aaaacatcat catcaaaaaa acttccgaga gtttaatggc aacacgcgtg  120
atccctccaa gaatcctcaa gaagctccgt tacaacacaa caaccaagcc actcaacgct  180
gccacccct caatctctcc agtcacgcc ccacggtcac tcttcgagag gtcgccgtcc  240
cctgtcgcgg atgtgtttt aacaacatcc acgactatgg agacggcgaa tctcaacctc  300
gacgacgcgg agcggctttt cgcgtcagta tcgacggaaa agctgctccg ggtcgtcccg  360
cggttttgca tgcgacggcg gtggggccca tggtagacct gggaatgtgg ttgatgaagt  420
ctcccggtgt ccagaccggg ctgccaaagg atctcatcat gggccgcacg               470

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<210> 10012

<211> 549

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220108f07a1

<400> 10012

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tggcaccggt aacacgatca aggtcttaca acttcgttcc tcagccgcat gctgctctgt  180
attattctca aagaactact aagggtggct tcttgatcgg ggaagctact ggtgtatctg  240
atacggcaaa ggatgggtac cctaatacac ctggcatttg gacaagagaa cagggtggaag  300
cttggaacc aattgtgagc actgttcatg agaagngagg tattttcttt tgtcaacttt  360
ggcatgctgg gaaagtctcc aactatgatg aattccaacc acatggtgaa gccccaatat  420
caagcacaaa caagcagcct cgtaaggaaa tcccacgct gtcaatgnat tcgtaattgc  480
ggccaaaaat gccatggagc gggttttgat ggaatagaac tacatggagc agatgggtac  540
ttgctggat                                     549

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<210> 10013

<211> 563

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220108f08a1

<400> 10013

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at ttgcatct gagcagaagt ccatgtctat ggagggttatt cggaaggcat accaagccac 120
agaagaaggt tttttgtcag tggttaccaa acagtggccc atgaatcccc aaattgctgc 180
tgtgggatct tgttgtttgg ttggtgtgat ttgtgggtgt atcctctata ttgctaacct 240
tggtgattcc cgtgctgtgc ttggccgggt ggtagagca actggggagg ttttggcgat 300
ccagctttcg tcagagcata atgtggccat agaactctgt agacaagaga tgcattcttt 360
gcataccgat gactcaaaaa ttgtggttct aaagcacaat gtatggcggg tgaagggtct 420
gatacagatt tctagatcca ttggcgatgt atacctaaaa aaggctgaat ttaacaagga 480
accgttgtat gctanagttc gtgtgccgga aggttttaag aggcccat tt tgagctctga 540
cccatcaatt tctgtccatg aac 563
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<210> 10014
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108f09a1

<400> 10014

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ctcggggaat tccaattcca catttttcaag aaataaggag gcaaaaatgt tcatatatga 60
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ttcctcgggg aattccattt cacattttca agaaataagg aggcaaaaat gttcatatat 180
gaattggaat tatttgtttt cttattaggc ctatcctgaa gccaaaggaa atgagatcgg 240
aattcctcgg ggaattccaa ttccacattt tcaagaaata aggaggcaaa aatgttcata 300
tatgaattgg aattatttgt tttcttatta ggctatcct gaagccaaag gaaatgagat 360
cggaattcct cggggaattc caattccaca ttttcaagaa ataaggaggc aaaatgtttc 420
atatatgaat tggaattatt tgttttctta ttaggcctat cctgaagcca aaggaaatga 480
gatcggaatt cctcggggaa ttccaattcc acattttcaa gaaataagga gggcaaaatg 540
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ttcatatatg aattgg

556

<210> 10015
<211> 549
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108f10a1

<400> 10015

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tattcatgcc cggaagagtt aatgggagtt taagccttgc aagagcaata ggtgacatgg 180
aatttaagca gaatagggtc ctttctgctg aaaagcaa atggtgacagcc aatccagaca 240
tcaatactgt tgaactttgt gatgaagatg aatttatagt gctggcttgt gatggcatat 300
gggattgctt gtcaagccaa caattggtag atttgtacg tcaacaactg ctcttgga 360
gtaaactttc tgcggcttgt gaaagagtac tagatcgatg tttggcacct acaataactg 420
ttggtgatgg atgtgataac atgaccatga ttttgggtgca gttcaaaaag ctggctcaac 480
aagtgcacca gcataagagc tattctcttc aaatgaaaca gctacatcag aattaagact 540
agagagcag 549

<210> 10016
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108f11a1

<400> 10016

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gcaataggta aaaggcctac taaagccaat ataggattaa tttgtacact acaatgcaaa 120
gcggaacca cttccatcaa gaaaccgatc tgtatgccac cttttgcact gtaattcttt 180
tataaaggca gggaagacct cattcatttt ctcataggcc tgtagcaggg tactgggtact 240
gagctcgtga gaggacttgc caatttgtac agcatatgaa gcaactagcc accctctcaa 300
tgcactcttg ccgatagcat cctgctccaa taccatgtcg atgcacctat tatcaccatt 360

taaaataaac ttttccccag ggaatacttg ttttgattca agaagccttg aaggcttaat 420

aaccttgtgc aaatccctac caactcttac attttcagca tttttta 467

<210> 10017
<211> 383
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108f12a1

<400> 10017

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tggtcttgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120

cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtggtgaaat 180

cgatgatcac cctatgcaaa ttgaagaaac acagtaccgc aaaaccttct tctataaaga 240

agaccttcat ccaggcaaaa caatgaaagt acaattcagc aagcctccct ttcaacaacc 300

atgggggtgtt ggtacatggt taaaggaaat taaagacact actaaagaag gatatagttg 360

tgaagagcta tgcataaga aag 383

<210> 10018
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108g01a1

<400> 10018

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acttactcat gtcagatttg ctttctgact tcagccagaa gaattcaatt acagaatcca 180

gtgacatatt gcacagtggg aatatgtcaa atctgaacat gatgtccagc tcagcagcaa 240

agcctttgca agcagatggc catactatta atgatgtccc gccacagaca taaaaacagt 300

tgcctgatac gacaagtaag gtgaattcga agttattgca gcatgtgaat tctgagtcga 360

agcaagtgtt agaagataat aaagtttcta gaaatgagga tcaggtcctt agttctgaaa 420

acagaaccaa aggtgctgaa catcttgcac ttcacgggt tccttctgtt gaacacaatc 480

agaatctaac atctaaactt ccagacctca atttgtctga ggtttctacc agggagtctg 540
ataatgatac 550

<210> 10019
<211> 351
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108g01d1

<400> 10019

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ccctgggaa aaccctagaa acgaacttgg ttattggccc cggaggatcg ttcggggggtt 120
gcctacgccc acttcagtgt tgagatccca gtgattaatg ttgccggacc cgacaacgtg 180
gatggacaca aaatagagat gcccgtaag aacgaggagg cttgcgataa tggggcgta 240
ttccaagaag ctgatgacgg agtggatcaa caactcgtgg tctagatgac ccgcctggcg 300
gagagttctt tgctttggca ccgggcgaga agctttcaca tgatatgggc g 351

<210> 10020
<211> 537
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108g02a1

<400> 10020

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taaggccaaa aaaaaaaaaa aaatagcaaa tatgtcagga aagatcatta tctcggctgt 120
ttctctcatc ctggtggtgg gtgtggcaat cggcgtggtg gtcgccgtga acaagaaggg 180
cgaggatcct gcagttgaat ccacacaaa atacgtaggg gtcatatgcc aaaacaccga 240
tgagaaaaag ctctgccatg acaccctgag ctccgtgaag ggcattggaca gcgctgacct 300
caaggcctac atcgccaccg ctgtgaaagc caccatggac agcgtgacca gggccttcaa 360
catgagcgac aggtcacca cagagtacgg tggcagcgat aacggaacca agatggccct 420
tgacgactgc aaggacctct tgcaatcagc catcgagagc ctccagctca gcactgacat 480
ggttcacaac aacaacgtcc aggccgtgca taaccacag gctgatttca agaactg 537

0953113.032200

<210> 10021
<211> 402
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108g02d1

<400> 10021

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agaataacaa attgtcacac ggactatgac cctcaacatg acaaacgcta acactcagtt 120
aatagagtga gcattgatgg atatacgggt taatttcaag ctttcatgaa gttaagtgca 180
tgaggaacat ggagagcctt caaccagaca gtccaccgt tggaaccagc ctggaggaat 240
tgggcagggg tgaactgagc agctatttgc tggctaata gaccggggaa acccttccac 300
ttgatccttc cgttaacgtt ggcaccaggt ccatcggtgg tgaattcagc gtagtacagg 360
gtgtcataga agtggtcacc ggcccatggg caccatcctt cc 402

<210> 10022
<211> 585
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108g03a1

<400> 10022

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ttgagaacaa ggcttaccta gctcgtccat ggaagaatta ctctaggacc atcatcatgg 120
acatttacat tgatgatttg attaatgttg atgggtatct gccatggcaa ggactagagg 180
gtccttctgg tatgaatact tgcttctatg ccgagtacca cgacagtggc ccgggttcag 240
acaaatctaa acgtgtgaaa tgggctggga tttggaatct caattcaaaa gctgcacgtt 300
ggttctcagc atctaagttt ttccacggaa ctgactggat tgaagttact gggattcctt 360
gctttcgtga cattccccga caccataggg acaaaaagac aaggcttaat tggtaataaa 420
agtgatgagt tgtgaaagca agaaatataa attaattaat aaggaatgat tgagcttctt 480
tattctttaa ttattttgat ttcattaatt aattttagag tgagctacat ttttgtatct 540
caaggaattg aaatcaatgt aacgtaattc ctctttgata ttttt 585

<210> 10023
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108g03d1

<400> 10023

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 ccctttctta ggaaatacaa tgggtaaaat atctagaaga cccatttatt agtcactaaa 180
 caaaaaaaaa aatatcaaag aggaattacg ttacattgat ttcaattcct tgagatacaa 240
 aaatgtagct cactctaaaa ttaattaatg aaatcaaat aattaaagaa taaagaagct 300
 caatcattcc ttattaatta atttatattt cttgctttca caactcatca cttttattac 360
 caattaagcc ttgtcttttt gtgcctatgg tgtgcgggaa tgtcacgaaa gcaaggaatc 420
 cccagtactt caatcagtca gttccgtgaa aaacttagat gctg 464

<210> 10024
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108g04a1

<400> 10024

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 tggtgcccc ggacgtgctg gtcgccagag atgcacagga ttatttgatc gagtggtgtg 120
 tcgagtttat aaaccttgct tcgtcggagt ccaacgaagt ctgtaacaaa gaagaaagaa 180
 ggacgattgc accggagcac gtgctgaagg ctttaggggt tcttggtattt ggcgagtaca 240
 ttgaggaagt ttatgcagca tatgaacaac acaagttgga gacaatgcaa gactctttaa 300
 aaggtgccaa gtggagcaac agagctgaga tgactgagga agaagcattg gctgaacagc 360
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 agacgctacc aaagtttaga gagcttact 449

<210> 10025

<211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108g05a1

<400> 10025

caaatatctc tccgttaatg ctctcaccac aaacttcaat agactagcca aaagctaaca 60
 ccaactatag gccaaatcac caataaatat tatttcccgt tcttttggcg tgttggccac 120
 ccactgaaca catttgcact cacacataga agcagagaga ggccattggt tggtttcaga 180
 gatgggaagc atgcacatag aaaccccaga aacttttgct gatggtagca aaaacttcga 240
 tgatgatgga cgagctaaaa gaactgggac ttggattact gcaagtgtc atatcataac 300
 ggctgtgatt ggttctggag tgctatctct tgcattggga attgcacaga tgggttgagg 360
 agctggctct gcagggctct ttgtcttctc tttgataaca tacttcacct ccactcttct 420
 cgctgactgt taccggtcac ctgaccctgt acatggcaag cgaaactaca catattctga 480
 ggtttgtcaa aagcca 496

<210> 10026
 <211> 363
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108g06a1

<400> 10026

gaactgtatt tgctccactt tatcggttga agattttgct acagggtcag agtccccaca 60
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 gtgggctggt cgacgggaat ggcactaatt gtgctcgaat tgttctaaat tctgctgtga 180
 agttcttcag ctctgatcag gcttaciaaag gtatactaca tctgtttcag atgcaaactg 240
 gatacgagga tgctcagttg actcctcttt ttcgacttgg ggctggagca tgtgcgggaa 300
 taatagccat gtctgcgact tatccaatgg acatgggttg atgcagaata actgtacaga 360
 cag 363

<210> 10027
 <211> 539
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220108g07a1

<400> 10027

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 ttctcactc ttcaaccgcg cttcaactcc tacgttaacc ccattcttcg ttactcacc 120
 ttccaactct cttcttcgcc gctcccatc aatgccaaact tctccagcgt cagactccac 180
 tcttcgctct cgcgagcggc ggagaccgat tctccgaccg gcggaaggtc cggcgcgcta 240
 actcccggtc ccgccgtcgc cgggtgaagt caaaagatcg acgtgaatcc tcccaagggg 300
 acgcgcgact tcccgccga ggacatgcgc ttgcgcaact ggctcttcaa tcatttcaaa 360
 gagggttcgc ggttgatgag atttgaagag ggttgattac ccggtgcttg agtcggaggc 420
 attgttcact aggaaagcag gagaagaaat aanggatcag ctttattggg ttgaagatcg 480
 aggcacgcgc gtgttgcat gaggcctgaa cttactcctt ctttggcaag gctggtgat 539

<210> 10028
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108g08a1
 <400> 10028

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 tactgtgaag aagaccggtg cggccttgat cattggcatt tatgatgaac caatgactcc 120
 aggtcaatgc aacatggtag ttgaaaggct tgggtattat ctattgaac aggtctctta 180
 atctttgctt aatgtcttgt tatcgtgcat atttcattgg cttctgtaca agtttttgca 240
 tcgacctgga ctggaatgct ttgattgcag tgtaataatc ttgtgagtat gaaaagtcac 300
 gggatctcgc tgttgcaag aaagtgtttg atgcttgaga aatgatgact ataactctta 360
 tctttgtact tttttagtgg ggtacctgta tacattacac tggttttaaa tttttaatgc 420
 tatggtataa tggttggcat atttatcaaa agtttgcaga ttcttcttgt c 471

<210> 10029
 <211> 579

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108g09a1

<400> 10029

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 attcacttag gagcctcaag agctatgtct acatcttctc gtgctcttcc cactcccttg 180
 gaaaacaagt atatgaaacc ccagattct tttcagcttt caccgcgcag agatctgact 240
 gcaaattctg cctcatcaaa ttcaatcaga agtgctggga agatgttggtc ttcaccttct 300
 gaatgtcccg atgatatccc tttttccttt gtttctcaga catcaggtga caatgtgtct 360
 tccgaaattc attcaacagc attgatttct caccctcaag aataatgaag atctttcctg 420
 gggaccagat ccatttcagg atattcttgg ctttcctgaa aatgtttctg tccagcatga 480
 tcaggtgcaa aacaatgggt gttacataaa tgatgataat gtcaaaagat ctgatttttg 540
 gagtgggttg atcagttaat gtcaattgat gattctctt 579

<210> 10030
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220108g11a1

<400> 10030

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 tatctgctgt ttgtgggtcca tcaagaagtt ccaagccacg gtatttgggt ccagatgggtg 120
 tgaaattgtg aattctcgtc tctgctgtc cgacaacttc gttcgtatat gttcttttta 180
 ttcaagttat ttattgttgt gaatgtctgg gagtgaacag attcttgagt gagtatttaa 240
 actgtaagat atgggaagat aaaattcaaa taaagccatt tatggcctat ggggcgtgta 300
 aataataccc taggaagttt gtaattatag ttcattggata tttctttgca attcttaaca 360
 ttgtgttttg tcagaagtgt aaacaaaaaa ttgaaaaaa aaatagaaaa taaagttatt 420
 ttattaaaat aaaaatgaat gaaaaaatat tttaattgaa acaggtt 467

<210> 10031
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108g12a1

<400> 10031

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 tcaacttaac ctattccact tgtaatcgta aacgctttgc tagaagaaga gacaaagtgt 120
 gtctgcgtgt gtgagagaga gagcaatggc tggctcgtgg gcacgccgtt ctctgattgt 180
 tctagccatc atttccttcg gatgtctatt tgcgatttcc attgctaagg aggaagccac 240
 caagttaggg acggtcatcg gcattgatct tggaacaacc tattcatgtg tcggtgttta 300
 caagaatggc catgttgaaa tcatagccaa cgaccaaggt gaccgtatca ccccatcgtg 360
 ggttgctttc accgacagtg agagactcat tggggaggct gccagaatc aggcagctgt 420
 caaccagaa aggaccatct ttgatgtcag agact 455

<210> 10032
 <211> 599
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220108h01a1

<400> 10032

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 tcaggtgacg ctgggggattt ttatcttgta cagaatattg attttgaaat gtaattgtat 180
 tgggcttcat gttctcactt attttctgca ctttatgcaa tgccttctat ttctacattt 240
 tactgtgata gatttctttg catccttctc tttcacattt atttgaatcc ttcacctat 300
 ctttttgatg gcagagtttg aaaggaaggg atgaaccggt tgacatggcg ggaggaaatt 360
 caccacatgt tccgtatgcc tcagagtcac atgtagatgc ccctgaaaga taccacattc 420
 ctcaagctga actacatgat attgatgac cagcagcttt ctcttctaata taccaacaca 480
 tatcagttga agagaggaaa gagcatcttg tgggtgctcg aaacagtctc gaattgctct 540
 ctagcatatt gaattctgat gcagagccta aaactttgaa ggaagattaa ccgtgagct 599

<210> 10033
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108h01d1

<400> 10033

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 atctgtactc caatgtgcgc gattagttgt ttccacactc tatgcactta ccacagtgtc 120
 aactttatcc ccttcgcgca ttaataatat aaggaagcgg atcaaaatgt gggaaccact 180
 taatattatg agaaactagc atgatctcac aaggatgtta tcacaatcct cgggatggaa 240
 actcctgccc attacacatt tgggcaatga aaatcacccg catagaagga ctatagctta 300
 ttacaagata tgaacaaaga cctgataaaa tgogaattac aagatacata tgccaactat 360
 gctttgctca ttcggtatct cgcttgaac tagattcagc attcttctcc ttcgtgccat 420
 cataactacta ttttagt 437

<210> 10034
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108h02a1

<400> 10034

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 tggttcgaaa cctctgccac tgtttctcgc cgcttcaggt ttgaaccaa tggccaactt 180
 tctgtaacgc ttgttggtga ttctaggcca ttataccaca ggattgttga ctctttcttg 240
 aataaatttt tcccttcagg atatccatac agtgtgaatg aaggttacct cagatacacg 300
 cagtttcgag cactgcaaca cactgcgagt gccgcgctat cagtgttatc aactcagtca 360
 ctgctatttg ctgcaggctt gcggcccact cctgcacaag cgactgctgt tagttggggt 420
 ttaaaggacg gtatgcaaca ttaggggaat ataatatgta gcaagttggg tgcaagaatg 480
 gattctgagc ctaaacgttg gagaatctta gctgatgtgc tctatgattt agggactggt 540

ttggaagttc tttct

555

<210> 10035
<211> 538
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108h02d1

<400> 10035

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tcacacctga aaggagaaaa ctaatcattg atgtactctc tccaacaata tgctaacaca 180
cacattcatg tcaactgtttg accattctgt caccttaaag cgccacgggc accgccgcta 240
tcaccgacac tgacctacca gctctcagta ggcaccgacc aatccggacc ctggctttga 300
gatacaaaaa ctcaagtgtc tcgtgctccg cttttgactt tcaactcaggc ctatgaaaag 360
gtcatgacat ttagagcaaa tatagagggc acgcaacact ttcttgacat gtattctact 420
attgctggtg ggataacaac agaccagct gctatggtta ttcctatgga tgaccacatg 480
gtccacagag gccactgtgt ctatgatact gcagcaataa tggatggata cctatatg 538

<210> 10036
<211> 431
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220108h03d1

<400> 10036

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gggacatatt atactggttg attttatata aaatcgtaaa tattcctcct ataggctgcy 120
ttagcctgga ggcaatatag cccccacatg gagaagtcgg aatcaatata agggcaatct 180
gtgctctatg taattctaata gtagagacca tgcgctgcta aacatgttga gacactttat 240
atattaccta gggaagactt ttttctgtgc ttttaaggat ctctcgaate attgctttgt 300
tgtctttcca ggtcagctgt aagtggcatc attctatcat tctgtgggac cttaagccat 360
gtgccctaaa ttattgtcat taatttattt gatgaacatg ttctcttaag ccacgggggtt 420

002220108h02d1

ttgatacctg c

431

<210> 10037
<211> 378
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108h04a1

<400> 10037

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ctggaggcat agaacaacca attttttggc gaagagcatg ggactgctct ttctagggat 180
tattgggaat tgtgaaggag catatcacgg tagggtcgtt tatagctcat ggcacctgga 240
agaactctac acttttggcc ggctcaggaa gaataacctt caacataggg aatcggttact 300
tccatttgag acgaatgaaa cgaaggagca ctacccaaat atggtcgggg tttaaaactc 360
ggtgggcaag aatgccca 378

<210> 10038
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220108h05a1

<400> 10038

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gacattaacc agcattgacc ctgaagcagt ggctgttgaa cctgcactag ttccatgtgt 120
tcaggcttat gttgattcag ttcttgatct agcttcacac tttatcaccg ggttgccggc 180
ttatgcaagt ttctgccgta cattggcaag tcatgctgta actgcaggga cgtgaaataa 240
ccgaaatgtg gtagctagtc ctgcccaatg ttctgcaact cctgcaacaa gtcagggagg 300
tcaaaatggg acaaccagtt ctagtggaag cacacagatg caagcttggg tacaaggggc 360
cattgccaaag attagtagca ctactgacgg agtgccaac ccggttctaa ccccccata 420
gtggtccttc gtcctttatg ccataagca ttaatacagg aaactttccc tga 473

<210> 10039
 <211> 533
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108h06a1

<400> 10039

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 caagaaacca cagcgtctaa gactcccacc gggctctcca atttcaatac ccttgctggg 180
 acacgcgcca tatctccgtt cactgctcca ccaagcattg tacaagctat cactgcgcta 240
 tggacccttg atccacgtca tgatcgggtc gaagcacgtg gtggtggcgt cgtcggcgga 300
 gacggccaag cagatcctca aaacctcgga ggaggcattc tgcaaccgtc ccttaatgat 360
 agcgagcgag agcctaacct acggcgcggc ggactacttc ttcatcccct acggcacata 420
 ctggcggggt cctgaagaag ctctgcatga cggagcttct gagcgggaag accctggagc 480
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<210> 10040
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220108h07a1

<400> 10040

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 gggataggct tgtatgcnag ancngaanat ngaaattaaa aanaggaaga aaaagaaaaa 180
 anaaaaaatn gaagaaaaaa aaaaaaaaaa aaaaaaaat ttttttataa aaaagaagat 240
 ataattaaaa aggggggaaag gagaaaaaaa aaatattaaa aaaatatata aaaaatntaa 300
 taaagaaatt tataaaaaaa agagatgaaa aaaaataaaa aaaaaaaagt aggaagaaat 360
 aatataaaaa aaaaaaaaga aaaaaaagtg aaaaaaatat atagtgggag g 411

<210> 10041

<211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108h08a1

<400> 10041

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 ccttcttcct ccaaccact cggcccgagg accccgcacc gtgcaggccc gtctctacag 180
 cctctgcaag cccaccacca atgttgggct gtgctacagg accatcctgc cggaggtgct 240
 gggcctgccc cgcttcaact attacaaggc cctcgagggtg gagatgctcg cgaccacaaa 300
 acaggtggag aaaacctcta cgttgatcag cgtgctcctg gcgaggcccg gaaacttgaa 360
 ggatcctggc gactcactcc agattttgaa ggagcagtag gggaacatca tggact 416

<210> 10042
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220108h09a1

<400> 10042

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 aatgttgcat caagccgtta cagcattcaa agttcttggt aacctataaa ataatgatt 120
 aacaacatat attacacaga acttctatc tgaaacaagc caaacagat agctattttt 180
 ctttttctc tccttttgaa ataacacctg gtttttctat gataaaaaag aaatccaatt 240
 gcaatcaatt gcaataacaa gcagtcata ctaattttac taatgctctc taaatatcat 300
 aactgagaac taaaaagggtg gtgggatgct gatatgcaag attattttac acctcacata 360
 tacatccatt ggacttttac catatgaggc tgggtaataa gataaactat agactccttt 420
 ttgatctaa gaatggatga agtatccaca aaataagaat ggccatgtac caacctttta 480
 ggtcaagcat ttatttctga attgcattga tgcttcccca c 521

<210> 10043
 <211> 534
 <212> DNA

[illegible]

<400> 10043

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atttctcggg	cgcccttttt	ttttatcctc	atctttttca	ttttacgaaa	acctaccacc	120
tattgcgggg	gggagaaaca	ccttctatat	ctccaaaagg	acatttacta	atgtatgatc	180
aagccgtttc	agaattcaaa	gttcttgtaa	tcctattaaa	taaacggttc	acaacatatt	240
ttacacataa	ctttctatct	gaaacatgcc	aaagcagata	gctttctttt	cctatcccgt	300
tccttttctaa	ataacacctg	gtttttttat	gatgaaaaag	aaatccgatt	gctatcaaaa	360
gccttatcaa	gcagcttatc	ctaattacac	taatggtttc	taaatatcat	aactgagaac	420
ttaaaatgtg	gtgggatgct	gatatgcatg	atgattcatc	tccttacata	tacatccatt	480
ggactttttca	ctatatgagg	ctgggtttata	acatacacta	tttactcctt	tttt	534

<210>	10044
<211>	564
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220108h11a1
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<400> 10044

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cattttcctt	gctttgttgt	gcaattgtca	cctatatattc	ttcattcctc	ctgtctgatt	180
gctacagaac	tcttgatcct	gtcactggga	aaagaaacta	ctcttacatg	gatgctgtta	240
gagtttatct	tggttataaa	aggacatgtg	tagctggcct	ccttcaattt	ttgactttgt	300
atgggactag	tattgcttat	gtactaacca	cagcaaccag	tctgagtgca	attctgagat	360
caaattgcta	tcacaagaaa	gggcatgagg	ctccttgcaa	atatgggggc	aatctgtata	420
tggcactgtt	tggacttgct	cagattgtaa	tgtcattcat	accggatctc	cataacatgg	480
catgggtttc	agttgttgcc	gcatttatgt	actttacata	ctcattcatt	ggactangac	540

ttggcataag cacagtcata aaaa

564

<210> 10045
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220108h12a1

<400> 10045

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cctcactcac cagccacaga ttctctcttc tctattcaga caacggatgt tgtgtatacg 120
agctggcccc gtctcagcct ctacatccca aaacatcaca acaactgggtt gggctcctgg 180
gatggctcct tcctcagccg ggggaagagc tacatgttca acacaatctg tatcgacaag 240
tgagccagct ggggtctgtcg attggctgta tgataacctg caggagccag atgtcaagga 300
actagacgct tgggtgtaca ggccggagga gcagaggtat acactttatg aatatcaggc 360
tgatgacatt cctggtgccc ttctcttntg atgtagatgg aagagcagat cgggctacag 420
aattaccacg catgctgtca tc 442

<210> 10046
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112a01a1

<400> 10046

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accactccct tcgatggcca gaagcctgga acctctggtc tccgcaagaa ggtgaaagtg 120
ttcgtgcaac ctcatcact ccataacttt gttcagtcaa cattcaatgc attaactgtg 180
gaaaaagtta gaggtgcaac gctagtgtga tctggtgatg gtcgttattt ttcaaaggaa 240
gctattcaga ttataactaa aatgtcagca gcaaatggag tatgacgtgt ttggattggg 300
caaaaaggat tgctttcaac tcctgcagta tctgctggta tacgtgatag agttggagct 360
gatggatcca gagcaacagg tgcatttata ctgacagcaa gtcacaatcc tgggtggcct 420
catgaggatt ttggaattaa atataatatg agaaacggtg gacctgcacc agagggaatc 480

actgacaaga tatatgataa cacaacagac aattatgagt acttgattgc atca 534

<210> 10047
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112a01d1

<400> 10047

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tgatacatgt acattcctca gcacactaaa acagatcagt ggccaaaaaa gaaaaaacca 120
aaaaccaatc agaaacagat tggagaagat aatatacatt gataactgtg aatgatgagt 180
ggcatacgca aagtaatctt gcaacatgta tgggactgag aactccctca ttgtagtgtg 240
agtcacaaaa aagccgcaca aacaggggtg aactagaacg agatctcaca aggtgcatga 300
aatgtttctc ctcgacatat tggttccagg ttttcaccag catacgaaca gagtggtgac 360
acttcaacac ctgttgcata taagggcact gaatgagcta agaagccacc tgcagcaact 420
accaacgag tatggagtcg aagaacaagt agtttcgcac tgtctggagt gtcaacattg 480
gaaccatttg catt 494

<210> 10048
<211> 502
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112a02d1

<400> 10048

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agatttggtc tcttgctcaa tatatatgat cagagagtga cactgcggag cacaacagtc 120
tcaacggtga gtccagggcc gaaaccaaat agcacacccc agtcaagacc ttcaccggtt 180
gtgccaagtc cattttctat tgatttcttc ctcatattgat ccaagatgaa tagcacgcat 240
gcacttgaca tgttaccata ctcgctgagc acatgtctag tagcttccat tttttcagge 300
ttcaggccta acttagcctc aacttggtcc aaaattgctg gtccaccagg gtgtgcaatc 360
cagaagatag aattgtaatc ggagattccc aagggttggg aggcttcaac caaggccttc 420

tcaatattct tggagatgag tccaggaaca tccttgagga gatggaaagt gagaccaact 480
tcgcgaaggt gtccatcaat ag 502

<210> 10049
<211> 371
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112a03d1

<400> 10049

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tttttttacc aataaaaaaa caacctttag aaaacaaaac cccaaaaagc aaaagggggc 120
caaaaaaaaa aaaaaaaccc cccggacccc aaaggtttaa aatagcccc ctttaatccc 180
caaggtttaa tttgccccca aaatttcccg ggcttggttt aaagaacttt ttggatttgc 240
tttcccaaag ggtcaaaaca atccccaccc attggggggg gaaagccaca cccgaaccga 300
gccttcgaa agggggggcaa gaaccattt ttgggaattt caaagattcc cccaatttta 360
acaaaagggg g 371

<210> 10050
<211> 551
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220112a04d1

<400> 10050

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cttcacggca ccgaaaatct attaatggat tttcagggtc aactccatcc ggagggcaaa 120
gggaaactgg atcaagtagg aattcctcct tgcacaaaaa tttaacttca gagaaaatat 180
ctcaacctgg attaatggat aaggcacttg atggaacttc ttttgaagga gttacttgca 240
agttgattgt taaaattcca agccaaggta gaagccctgc tcaaagtgc agtgcagggt 300
cttttgatga tctacaatc atgaatagtc gagcctcatc tcctgttctt ccagagaagc 360
acgatcagtt tgatcactgc tcaaaggaaa agagtgcact ttatcgagcc aatattggct 420

cagatattaa tactgaatct tggcagagta atgattntaa agatgtattg actggctctg 480
 atgaggctga tggatcacct gctgcagtta ctgatgaaga gcgctgtncg attgtcaatg 540
 attgtaagaa a 551

<210> 10051
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220112a05d1
 <400> 10051

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 cagtttgatc cagctccccg acaaattgag cccgacacca cacgaaagac accagattat 180
 tttttgtaac ttcataaac cttttgtttg taagctactg ctttatgctg ttactgtaga 240
 tgtgtcttta aggagagaag agtttctactg ttttaagtggg acggttatca tcaacataat 300
 tctttctttt ggagtttgtc tgctgttgct gctgctgccg tcttatttgg acaagaaaca 360
 aatagaaatt gacacaattg gtgtttgtat atttttgata ggaggaagcg gcaataacat 420
 gatatatcat gtgctggaat tttttcttaa attaaatctc aagttagaga gcagattttt 480
 gagttct 487

<210> 10052
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220112a07d1
 <400> 10052

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 ttaaaaatca gaaaaagaaa aaggatcacc caaaaattca tttttccggt tacaaattcc 180
 ccgggtttcc acccacgcgc ctagaccgt tttgaagaaa agacccacg cgagtgatta 240
 ataattaatt aatcaatcac ctaaccgca tcgagtggaa acgtcgtcct tttgtgttat 300

0953113-032200

cccccttttg ccccttcttt ttctaaaatt ggtctccgat ttaggggtgt caaactttga 360
 caatctttgg ggcctttaag acgggggttct ttttcgcgat gggctttttt cccg 414

<210> 10053
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112a08d1

<400> 10053

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 acagatgaaa atacagtttg atatttgcct ctcatcaata agcaaccgaa tcagataaat 120
 agcttgactc aatcaaaagt acttactcct caaatatata tatgaaaaaa agaactagaa 180
 taaggcaggg ataggcacia cacaacacia cacactcttg aagctaactc taacaaacac 240
 cattcatctt gtcattgttc ttcttctct ccaacacaaa cttcttccaa atggcagtga 300
 tttccctctg agtctacata gcactcttct tagcaaccac taccttgcca ttttcttcag 360
 cagtgactgt cacactagtgt ctgcttatga ccctagcagg aagtgaatca agctcatgca 420
 gaaccttctc aacatcggcc acgaggcgct ctgcgagagt cctcgagaag tccttctga 480
 tgacaacacg aagcactgtg acatgttgag catctggtgg catggtgtat gctggcacta 540
 tccacccaaa gc 552

<210> 10054
 <211> 430
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112a09d1

<400> 10054

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 aaccacggtg actaaccacc ttttaattggt tggatcttta ccaaaaataa agatgtctgg 180
 ggagagctct tgaacgaata tgactatatg cggccctca tgggtgcagac gcctttacca 240
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cgcccttatga actggatgag gattacagca tgaacatctg cgctgttgta ttcaaaaggg 360
gcaccgatac ggtgtgggtg cacttggaac accgcgaata gctgccgccg tgagcaccac 420
cgggaccacc 430

<210> 10055
<211> 430
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220112a10d1
<400> 10055

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gcatgcacaa ttgcaccata agtgcaagag gctgtctaaa tgccatacat acagagagag 120
gcaatgtgtc cgtgcttggtg cctccccaaa gttttaattt attattatta ttagattggg 180
ccagaggatc ctcgtgaagt atgtcttagc aggagaatac ataagcttaa ggtttctccc 240
aatcatgaga tatatacatt atgatatgat acaagattaa gctggaacag cttcctgcac 300
tttgccgttg cttgagagta ctaagctatc atagtaatca accagcacct ttcacccacc 360
agggcacata aatccatcag gaggactttc tttgttcctt gccagtgtgc gcacctttgt 420
gcctgatatg 430

<210> 10056
<211> 498
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220112a12a1
<400> 10056

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tctcaaaatt catccattca ggattacacg agaaggacac aggccttatcc atgtcattgg 180
atacaaactt agtagccacg aattgtattg atgatggtgt tgtgccacgg gtcagagagg 240
tgctgcaata ggttctcaaa tggctcttgg cctgtcacgt tgtgttgaac tatgaatccc 300
aagaatgcc aatagccaa tctccattg gcaagttcct tctccttggc ctccaaagta 360

ggtgcaaagt tcaaggggtt aaacacacta ccaggggtatc cacactcatg ttggggcaag 420
 ctgtattgct tgaaaatggg gtctaggttg acagagccag ggttcttgat gtcctgccat 480
 ctaccgatct cgacgtag 498

<210> 10057
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112a12d1
 <400> 10057

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 ttgctcacia attagtcgac tatgcgttaa gtttaagggt taggattgcc cagaaattca 120
 ttacatcct ttctgttcca tacttccagg tggtaatgtc actttcaaac aaaactggac 180
 acctataaga ccttaacctt cctatgaacc aatgacttaa ttagatgctc aagcgaagta 240
 ctcttctggg acataaaatt ttaaaccaat ggcctctgca aatttaatat cagcgacact 300
 gtgatctgat tctctcccggt ctgcatcacc aacaaaaaag gatttatcca tatcaatggc 360
 aatgccagag ttgaagtgtt gtcacataag atgccacatc cctggtttgg gtttgcgaaa 420
 ggatcatctt ccttttttgt tactttacct gatttactac ctacccaca agctataaaa 480
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<210> 10058
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b01a1
 <400> 10058

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 cttcttcgc actaatcga aaccagaggg aattcacaaa agagggtacc atgtcgggtcg 120
 atgagagtga ggagaaggag ttggatctca cttctccgga agttgtcacc aagtacaaga 180
 gcgccgcgga gattgtttac agggctttgc agttagttat ttcagaatgt caaccgtaag 240
 caaagattgt tgacctttgc gagaaagggg attcgtatat tagagagcaa actggcagca 300

tgttcaagaa tgtgaagagg aagatcgaga gaggtgttgc cttccctaca cgtgtgtctg 360
 tgaacaacac tgtctgtcac ttctctccgt ttgccagtga tgaacaagt gttggctgat 420
 ggtgagatag tgataattga catggcttgc catatagatg gactcattag tgctgtggca 480
 caca 484

<210> 10059
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112b01d1

<400> 10059

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 aaaacagaat tgagtaagag ggaaggaaac atagagaaaa ttttagcaat cagataataa 180
 gaagccagta gtagtgcaaa agtcccttgc caagagtgtt ggaaccctt ttagttaagc 240
 aggtaccttt ttcccttga gtggcttaac cactttccat gtgaagtcag ggtcatctct 300
 gccaaagtgt ccatatgcag cagtctttaa gaacctgcc ttttcacccc ttttgagatc 360
 aaggttgatg gagatcatgc caggcctgaa gtcaaaactc ttctttacaa tgctgaggat 420
 ttccttgtca gggatctttc cagtgcata agggtaaca aacacagaca a 471

<210> 10060
 <211> 440
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112b02d1

<400> 10060

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 attggaagcc cctaatacggg gcccaagtcg gataaaaact aaatttgccc caaaggggtg 180
 ggcttgggcc tccggcttaa tcaaaaaaac ttctggtttt taaaaagatt ggtgggcttt 240
 ttggggaaca aaggcactac ctttttccgc atgatttact aaaacagggg gcccaatatg 300

gggtatttta gcaaaaccgc ccaaaaaagc ccttgggaac caatgggctt taaaaaaacc 360
 ttttttcaaa atacccttat tcacgggtgg ggcaaaaggc ccctgatttg ggaaaacccc 420
 aaattggccc cttttaggag 440

<210> 10061
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b03d1
 <400> 10061

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 gctacctatc tattttttct ttttggtttt tctaaaatcc aattaacacg gttcaaaaca 180
 ccgaaaacta aaaacataac cttattataa tatataagaa gcaactaaaa cccttaatag 240
 tccaaattga agcgccacag agaaacaaat ctgagaatta ttattcattt cattcagagc 300
 gattggcgaa cctctcaacc ttgtcatcgg tcaaattgat accaaccatg gcttcaccca 360
 atccgcagct aacctccgcc aaaatctcag ggtcgctgta gtgagtcacg gcctgaacaa 420
 tcgccctggc gcgcttcgcg ggatcgccgc tcttgaaaac gccggagccg acgaagacgc 480
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<210> 10062
 <211> 625
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b04d1
 <400> 10062

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 gtacttcaca aatttactgt tgatctacca aagaagcatg gtagaggagg tcaatcagct 120
 ttgcgttttg ctgctcttag gatggaaaag cggcacaact atgttaggaa aacagcagaa 180
 tatgctactc agtatttcat caatactgcc accagtcaac ctaatgtttc tggacttata 240
 cttgctggtt ctgctgactt caagactgag ctaagtcagt cagatatgtt tgaccctcga 300

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 aagaaaacaa ataattccaa ttcatatatg aacatttttg cctccttatt tcttgaaaat 120
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 ccgaggaatt ccgatctcat ttcctttggc ttcaggatag gcctaataag aaaacaaata 300
 attccaattc atatatgaac atttttgctt ccttatttct tgaaaatgtg gaattggaat 360
 tccccgagga attccgatct catttccttt ggcttcagga taggcctaatt aagaaaacaa 420
 ataattccaa ttcatatatg aacatttttg cctccttatt tcttgaaaat gtggaattgg 480
 aattccccga ggaattccga tctcatttcc tttggcttca ggataggcct aataagaaaa 540
 caaataattc caattcatat atgaacattt ttgctcctt atttcttgaa aatgtggaat 600
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<210> 10065
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220112b07d1
 <400> 10065

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 aacatacttt caacttatcc aaacaaaccg gttcctatat acattacaga ctccacatgg 120
 acatatattc aagggtgctta cttagggtat tattgtagaa acaaatgtaa cacaggctca 180
 agaccaacaa ctattctggg acatgtaatc attgacaaca gcttgaatag cactttacca 240
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<210> 10066
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220112b08d1

<400> 10066

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atgtgaaatt gatctcatat gattgtcaca ttgtttgcc a tgtggcctac atgcaagcct 120

ttacaccaac agcagaaagt agtactagaa agcagtatga aagcatgaac tccattctta 180

aaacctaaat ggctcatct tgatcaaatt tcgaagccat cgagagagta ttcaattcaa 240

ttgcatacga tcccacacaa tccaaggctc aagggcaaaa gcaaaacctt ctcaaactta 300

attgagtggg tcccattagg cttttaataa tagaaaccta ccgctatata tcaccataaa 360

ttattaataa caacaacagg gttaaataatg taaattacaa gatctatcta atctagcact 420

tggtggggcga gactcccacc aaagagtttg ctagatcgaa gctgacacgt gtcccctgct 480

gctgcacgtt c 491

<210> 10067

<211> 405

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112b09d1

<400> 10067

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atgttccaaa ggccaaaaaa gtgttaactc tgcaaaaggg ttctaaatga ataataacgc 120

gaaccctact ctttgctaca tacaaccta cttactaaga cagaagaatc ccaagatgaa 180

aatgcttct caacaatttt gtgcccacca cattcatagg gatggcacac aatatatgac 240

tcataagct ttgcgtatat accctccaat cctataccac ctcttatcca tgacaacata 300

gtttgtacga catgacgcag acaccaaaaa agccatggca aaacataac tcaccattaa 360

agcatttatt ttggacttag aagcacttcc tgtggacaat ggatg 405

<210> 10068

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112b10d1

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 gtagaatctt tttttgtacg agtaagttat tctagaagat tttacaacct aaaataaatg 120
 gctcgcttat gcaaattaca atgatttagc agcaccttct atgtaagcga tggcttccac 180
 ctctgaaagc tgttctccat caaccaaccc ttttattaag ggggtggcat atgctttatt 240
 aggggcacgt aagggtagct tcccagattt gaaatttcca atatcaagaa gggaacacgt 300
 tatgggaact actggaatat cctgctcctt ttctaaggag acaacattgg cataccaagc 360
 acccttgaca accttcaaag aggtgaactc cttgttagag atagcaatca cgggtgttat 420
 atcaaataaa ggagagcctg catcaaggct taaagcattt tttctgaaac a 471

<210> 10069
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b11a1
 <400> 10069

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 tcctattcct ttccttctct ccgtttccgt cgctgcatct ctccctccgt tacggaaccg 120
 aagcccgta cagatggcgg ctgcgcaatc gatgatggcg gattacgcga aatcggggaa 180
 gtcgctgtgc agggcggtgt cccaaaagat cgaagcgaag gcattgaggc tggcttcggt 240
 ctccaaagga aatgggtccgt acgacatcgt caagtggcac cacctccgtt gcttccctct 300
 ttctctcac tctcactcct ctctgagag catcagaggc ttttctcct tgaagagtag 360
 tgaccaggaa gctctgaaga agttatttgc tgaaaataac aagtctgaag agaagggttaa 420
 tgaagcagat ggaagatgta cgaaatgagc tgcaagagac tggagagcgt ggttcaaaga 480
 gattaaggag tagtgaccag gaagctttga gaagtatttt gctggaaata caagtctgaa 540
 gaagagttgt gccacctgat gtaaagctgg gtgaacatta aatttaggtt ctg 593

<210> 10070
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112b11d1

<400> 10070

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aggatagccc agacattcat ttacattctt tctgttccat acttgcagct ggaaatgtca  180
ctttcaaaca aaactggaca cctatgagac cttaaccttt ctatgaacca atgacttaat  240
tctacgctta agcgacttgc tcttttggga cataaaattt taaaccaatg gcctctgcaa  300
atttaatatc agcgacactg cgatctgatt ctctcccggc tgtatgacca acaaataagg  360
atttatccat atcaatggca atgccagagt tgaaatgttg cttcataaga tgccacatcc  420
ctggtttggg attgcgaaag gatcatcttc ctttgtgatt actttacctg atttactacc  480
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<210> 10071

<211> 441

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112b12a1

<400> 10071

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tatactacat tgatccatca aagggactat aacgcagata aacctcatalc tgtataagat  120
acatgttatg attaacttat ttaattgaaa agcagagcta gaagctttat gtaatctact  180
ccctaaggtc gaaccaatga aaacattcaa actaactaaa agaaaataaa aaacaaaggc  240
ttcataaaga tagatttcat atattatagg atcatatgta accccaacta caccaccaag  300
aggacaaaga acttcacaga actaacccta aaaccactct acctaccaca ttctgacttc  360
ctaccactc ttttagccgt agcctttttc gctggagact ttacactctt tggattcaca  420
ctctgcactg gcgctttctt a                                                                441

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<210> 10072

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112b12d1

<400> 10072

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tccataagag ggacggccta gtaatagata cattatacat gcgtaaaact aagggaaaaa 120
acgagggcta cagtttcata ctaagtttcc acccaaagta aagggcttag tctacaatga 180
gtgacagact aatgaagatt ctctgggggg ccttcaaaaa acttgacata ggaattttta 240
tttgattatc tgttgagaaa gaggagggat ttaagaggac ctagagatct tacagagaat 300
ctgatagttc aagaggatct ggttacagtg ggccgtggga tgaagatagt gctgagaaac 360
atcataac 368

<210> 10073

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112c01a1

<400> 10073

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tacttccgct gctagctggc aataggcatt tattcttctt gtctaggatt ccctcattgg 120
aataaatggc tacatgcact tgaatctcat gaagggatcc tatgcagatg catagatgat 180
gtatgaggaa gc 192

<210> 10074

<211> 532

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112c01d1

<400> 10074

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caaacgggtt aatcacaaaa aattatgtct ttcttttca cagaatcttg agatctttat 120
tgaatcgaag atcagattca tattaagacc atggaatccc caattgaaag ccaaaaacaa 180
acttttgata ttgtattcaa ttgtcctcac agcagtaaag aacatctaata tgtaaaatga 240
agaaattaga aagaaaaaag aataccaagg gtaaaactag tcacaacata cttgaattaa 300

ctaacctaaa tgagatcaaa atcggaatga aaataaccgt acatgaccaa aagcatatat 360
 agttacaaac tctgacttta cctgtacaac caggtatgaa cagaaaactt ggtaaagtac 420
 aacatgagag agagaacgag agtgaagttg tacaacaaaa ctctggtttc ccgcagcaga 480
 gaaatacatg cgagtgatta agtgaataac gcaaaagcgg aaaggaccaa ag 532

<210> 10075
 <211> 502
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112c02d1

<400> 10075

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 ccagcacatg acacatggca cgtttccaaa ttatttacac gcgtgcatgc atctaattctg 120
 catgatgcat gtatgcacat taacacaaca aactagagg caaaatataa tctaataatag 180
 tatgaaatat atcatatgat tagtgacttt caatctataa aaatatgatc acagatcatg 240
 atatcaactc caagaaaggc ctttcttctc tccacaagat taacttagaa ataaaaatca 300
 acaaatcgat tttaatatgt agtatacctg aatgcctag tatacccaaa atctgggtcac 360
 ctcttcaatg taaaaatatt ggtatcccat tttataacat agtatggttc agtgcttata 420
 acaagccagc ttccaagaga tttctccgac tgaaagtctc atcaacaagc ttgaaagtct 480
 tcttcacaac cttctgatca ag 502

<210> 10076
 <211> 359
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112c03d1

<400> 10076

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 cttgaccact tatcaatata caaatatgtt tagcatatgg gttatactcg gggacatgac 180
 cgctaaacgt aacgtactct atgtgtacaa ggagctatgt taatattaaa atgccatgac 240

tactgcgctt agagctcgag acacctaaac tcatcatcta tggcgaccta atgtagaatt 300
 ggaataccat attctaattg atcattgact gaaacatggg gtgcatgatt ccttaagcc 359

<210> 10077
 <211> 597
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112c04d1

<400> 10077

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 atggtccaca aagctgcttt gaagggttaa gaaggttcga atcagcagtt actgtcacag 180
 gggcatctca atgatgtgat tttgtactga agttgccttt tcaggaaaat gttcttttga 240
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 tcttgattga agcagtggct ggaaattgag tgtttgctca tttatattct tttgcttgg 480
 tgattttttt cccctcttgt acctcttctt tcttctctat attacatttt cttgtgaaat 540
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<210> 10078
 <211> 607
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112c05d1

<400> 10078

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 cgaaaggaaa gtgaggccag tggatggtcg tcgaacttgc cggagatttc gaagtcgcat 180
 cactcgtctg agcggcgctt gcggctgaac aagcggtgca gggaagatcg cggcgtggcg 240
 acggtgccgc cttcacgcgg cgcgtcgta ctcttgacgc cgtcgcgggg cttgaagcgg 300

aagatagggg gcatcgacaa ggccacgcag atggaagga gcatgaggat cgaggacgat 360
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 gcacgtgcga acggcgcgga gcacgcgtgc aagacgctga ggaaggtgga ggagacggtg 480
 cacagggagg tggagataat gcagcacgtg tcggggcacc ctgtggtggt gacgctggag 540
 gctgtgtatg aggatgatga gcgttggcac cttgtgatgg agtngtgttc ttggaggaag 600
 gtggttg 607

<210> 10079
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112c06d1
 <400> 10079

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 acttaaaatg gaccggaaga acctaccacc catgggtcct aacttccaac ctctttttat 180
 gccggaacca aatttgagga aaccttaccg gtgctttttt ttaaaaacct tttccggggc 240
 tttctaagtt ccaccggaac tttttaaggc ccagtgggtc acaaggggtt gcagtttaat 300
 ggt 303

<210> 10080
 <211> 595
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112c07d1
 <400> 10080

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 aaactatgct tctaaccttc cgtaaaaaag ctacatcttt gtgttttcca cttatcttaa 180
 gacatgtctg tgtaagcaa aagagtaaac aaatgttggg aaaatctgca tgggtgcaaaa 240

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aatcttccat aggcactgaa agtcaaaaagg gccttaatta attaatccga gacatggcca 360
caggttggtcc tcacataagg actcaaaggg ctcaatgcga atgggtgaaag acttcctctt 420
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taggggctta atgccaacga tgacaaccta ccttttgtca tctttaaacc gttatccaaa 540
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<210> 10081
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220112c08d1

<400> 10081

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gggccccgt ggggattttt tggggggggc cccccctt tttttttttt ttttggggga 360
agccccccc acaaaatata cactctttt gggaaagatt tctttnttt ttttttttg 420
ggggtgggg gcccccccc 440

<210> 10082
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112c09d1

<400> 10082

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actaaagtca aatatgaccg accgtctact gaaacatagg aagcaagaat tttcattact 180

aggggggctc tctattataa atatacacat ctatgctagg tatgtcggtc atctaaataa 240
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<210> 10083
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112c11a1
 <400> 10083

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 atgataaaac ttagatgggtg agaacgaacg tgctgctttg gaattgaggt tccaaatccc 360
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<210> 10084
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112c11d1
 <400> 10084

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 aacggggacg caatgagcat tcggaatgat agaatcgggtg aactggctaa aaagggtcag 180
 gcaaacctat gggagccact ctgggggggaa ccttttccgt tgcggaatgc acaatcaacc 240

ccccgcagc actgcctaca agacttttga agccaaaatg cctgctattg gagatcatat 300
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 tatccaa 367

<210> 10085
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112c12a1

<400> 10085

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 cggatctgtg aaagccccag aagagattaa atcaaagaca accttgctag ctgcttcagt 180
 gtagtgggtt ccatcccata ccactctaac agatgggtctt tcgcatgaac ccacaacaat 240
 atttgtgcca ttgacctgta tggttcctcc acattcaaca ctctggctga agttgtacgt 300
 ccctacatag ccacaacaag caacatgcgg gagttcaaag ccatatttct ttgggttttt 360
 gaatagcaag tacttagcag agtagatatc tacatatgta attgcagcca aaggaagctc 420
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 atatgccttt gcgcaatcat agctatcccc t 511

<210> 10086
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112c12d1

<400> 10086

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 tccggctaac aggaagaccc tacacagtaa gagacgtggt gtctctccga ggcaacctca 180
 gacaaacctt tgccttgaac gagatggcta acaagctgtg gtgcgttctg aagaaccacc 240
 aagcctgcgg cacagcctca aggactttcg gtgctcttga tctgcccag gtcactcgaa 300

tgggcaagca cttggacaca atgtatgcct tagggcggca gagctcaggc actcacacca 360
 cgagcaacga gccgggccct gatggtgagg aataccctta tgatactgtc caagacaagg 420
 ttgatca 427

<210> 10087
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112d01a1
 <400> 10087

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 tggttcagta aatgaggggtc gtatccaatg tccctacat ggctgggaat atactactga 180
 tggaaaatgt gagaaaatgc catctactcg acagctaaat gtgaaaataa agtcagttcc 240
 atgctttgaa aaggagggga tgatctggat ttggcctggc aatgaccccc cagcagccac 300
 acttccatct atactacctc cttctggatt tgaaatccat gctgagattg tgatggaact 360
 tccaattgaa cacggtttac ttttggacaa tcttttggat cttgcacatg ccccttttac 420
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<210> 10088
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112d01d1
 <400> 10088

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 caacatcgaa catcacacag aaatcagctc cagcttaaaa cccccacga agacgcaaca 180
 ccaagtgcag agttgactcc ttctggatgt tgtagtcagc gagggtcctt ccactctcta 240
 gctgtttgcc agcaaaaata agcctctgct ggtccggtgg gattccttcc ttgtcctgga 300

tcttcgcctt cacattgtca atgggtgtcg agctctccac ctcgagggtta atagtcttac 360
 ccgtaagggt cttgacgaag atctgcatac caccacgaag acgcaacacc aagtggagag 420
 ttgactcctt ctggatgttg tagtcagcaa gggtagctcc gtccctcgagc tgcttgccgg 480
 cgaagaacaa cctttgctgg tctg 504

<210> 10089
 <211> 451
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112d02d1

<400> 10089

aatgaagaat atatagaaga cccatttatt atccactaaa caaaaagtta tcaagagagg 60
 aattgtgtta cattgatttc aattccttga gataaaaaaa ttagctaac tctaaagtta 120
 agtcatgaaa tagaaatact taaagactaa agaagcacia tcattacttt ttaattaatt 180
 tatattgctt gctttcgcaa ctccattactt ttattgccaa ttaagtattg tctttttgtg 240
 cctatggtgt ttcggcacgc caggaaagta aggaattcca gtaacctcaa tccaatcagt 300
 tccatgaaaa aacttagatg gtgagaacca acgtgctgct tttgaattga ggttccaaat 360
 cccagcccat ttcacacgct tggatttgtc tgaaccaggg ccaatgttgc ggtactcggc 420
 ataaaagcac gtatccatac cagaaggacc c 451

<210> 10090
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112d03d1

<400> 10090

aattgaaact gatgcttgaa gtgaaaacta aagcaccacc ctctgttgc ttctttcttt 60
 caggggtgga aaaggattaa ggatagaggg gcatatattg aagtgtcccc accatggaaa 120
 aataaaaata aaaattacag agtcaaagta gaaaagaaaa gataaatttt tttttttttt 180
 gtgacttttg aaagtggatt gcttctcagc tattaatatcc atgcgttttc tttcccgctg 240
 tggcctttt 249

<210> 10091
 <211> 607
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112d04d1

<400> 10091

gctccgaatc cccaacttca tcgctgtcaa cgttcgtcac cgtctccgta acttgccctaa 60
 tcctattcct ttccttctct cegtttccgt cgctgcatct ctccctccgt tacggaaccg 120
 aagcccgta cagatggcgg ctgcgaatc gatgatggcg gattacgcga aatcggggaa 180
 gtcgtcgtgc agggcgtggt cccaaaagat cgaagcgaag gcattgaggc tggcttcggt 240
 ctccaaagga aatgggccgt acgacatcgt caagtggcac cacctccgtt gcttccctct 300
 ttcctctcac tctcactcct ctctgagag catcagaggc ttttccctct tgaagagtag 360
 tgaccaggaa gctctgaaga agttatttgc tgaaaataac aagtctgaag agaagggttaa 420
 tgaagcagtg gaagatgtac gaaatgagct gcaagagact ggagagcgtg gttcaaagag 480
 attaaggagt agtgaccagg aagctctgaa gaagttattt gcttgaaata acaagtctga 540
 aaagagttgt gcacacctga tgttaaagct gtggtgaaca ttaaaatttc agttctgatg 600
 tcaagag 607

<210> 10092
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112d05d1

<400> 10092

tgcaggagtg tctgatccag tcgggagacc gttcgaatta atgggggggg ggaggagctt 60
 actagggggg ggccgccctt ttattttttt tctattttaa gtttattact gaaaggatct 120
 atacttagtg tacagattaa tcgaaccatt ggatacaaca aacgcgtcag atgattaagg 180
 gtccctatac ctataacact aaacattaaa aacagttgaa acctcagaat ttacagttac 240
 aactgatgtg catacatgac gatctaacag cacactggat ggtgctcttt ctgtaatgta 300
 cttccaaagg catagcacca tcctgggact ttgtacaggg gcaatcacgt aatttgactc 360

aaattcagcg atgtacaacc tctaaticatt ttcataatgt acttctttac catcattctt 420
 gaaatggtca atacatatgc ccatgggaac atctttctaatt ttaaagagc 469

<210> 10093
 <211> 560
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112d06d1

<400> 10093

gaatattaaa atgacaactg gtacaattat gtttgggaag agttgcatta tacatcaaag 60
 ggtagtaga acccagtagt ctcttgtagc catatattca attacataat cagaagaatg 120
 tgctgcacaa atcaaacgaa tgaataatac atacaaggcg aggaaagaat catcaaagac 180
 ctaagtggca ccacaagcac ccacctaattg atgacaccac aggaaaatga ttctattcgg 240
 atgctgatca gccaaactga tagctttcga cattaaaaca aaactaggcc aatgcacatc 300
 cgaataaaaag ccacttgaaa tgagattttg cgataagaat acccgatggc tccctttaga 360
 agacactctt ccattgccata aaccataacc tcatgtagac aattgaaacc taccactagg 420
 cttctttctt ctccatccca aggcagcata atatacaaaa gtcaatccag ccaatgcaac 480
 aaatgcaatc tgaaagacgt tgtacttgta caaatattta attccacgaa gagattccaa 540
 ggtgtggcca aatatttcct 560

<210> 10094
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112d07d1

<400> 10094

aatagttcga cattttataa ttttaaaaaa agtgacaaag gcttaaataa actatcaaaa 60
 attaaacaca tcgttactta gttttttttt tgggggggtgg ggtacagata cacatgcaat 120
 agccaaattc aaatcaaggt tgcaaatgtc aaaatcttgt caaataactt ggttttatgc 180
 tgttaaaaac caaacacctt atccaacttc ccttgaacca tttaactctt tccattattt 240
 ttgcacctct caacaatgta tgttctccat gattattgca cctctcaagc atatatcttc 300

atcatttgca cctttatcaa acacaaactc tacatctgtt aagcactcat gatagaaaca 360
 cctacaattc aattgtaata ttagcttaca cccacctatt atcacatgaa tatacaataa 420
 caataaagaa gctagaggac ttgaaggaag caaactgca caaacagcaa atttttctat 480
 atgccagggtc ataacttagc aatcaaaagc ttttggaag gaaaatgttt cgtttgtaa 540
 acca 544

<210> 10095
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112d08d1

<400> 10095

gttccaatca agagatgata tgttggttatt ttatattact ccagcaagct catttaatat 60
 tcttattagc gtggaaatac aagcgtacaa gccagtcgt gcatagaacc atttaccacg 120
 ggcgtgcatt gcgctcactc agacactatt gaactgcata tattaatcaa ggggcacatt 180
 tgtatcctgt ttaaaacgcc aaatatgcta gtgctctaac tgtaaatac atgctggcta 240
 ctttatcgat ggctgacact agaaaatgct 270

<210> 10096
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220112d09d1

<400> 10096

ggaagggggg ctattgggtt ttttttactg ngccgggaga agaaatttgg gagtattgat 60
 gctatgaaaa agctgaagaa atctgaaatg cttaggagag gccagggtga acatgttaga 120
 gctgagagga atttgctggt cgaagttgcc agtcattgca ttgtgaaact ttactactca 180
 tttcaggatg ctgagtactt gaatttaatt atggagtatc tgcttggggg tgacgttatg 240
 actctgctga tgagggaaga caccttaagt gaaaaagggtg gtaaataccac atacggccaa 300
 aggtgttctg gccctagaat ctattcacia actcaattac attctcagag ataataaacc 360

tgataaccct cttttggata aaaatgggtca catgaagctc tctgattttg gtctctgtaa 420
gcctctggat tgtattgcct cgctacact gcatgaaaat cagaccatag atgatgaaac 480
tttggctaga cccaatggat gttgatg 507

<210> 10097
<211> 332
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112d10d1

<400> 10097

gaatgaaatg aggatggttt tttcatataa aaagcacaca acacttgcaa gtgggatact 60
tctacgtctt aaatggataa atacattcgt ggtttcaaaa agtaaccaga gctacaatta 120
taacagctta tttacaacac gcttaacaaa tttacaaaga aaatcctcca gaaagcgtaa 180
ttagactgct tcggcaaagc caacttggag atttccatag tcaaagacgg tgtgatatgc 240
cctcatgaaa acatcgccaa gaatccacaa tggacccttt ggaggaggaa catcaaaagc 300
aataaaccga ctaaggcaga cttctgtaat gc 332

<210> 10098
<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112d11a1

<400> 10098

gatgttacc cttcgacaat aataaaaacg caagtgtac actgttcact ttctcacaat 60
catttcatca aacactactt atctttaagc cacacactac agttatggaa catcaacagt 120
attatcatca tatcatcatt ttcataatt ctgaatctag cttccacaca aagtcattac 180
tgctgggctg actgtaccct ctgtgcacca ccaggcatgt catcatcctc atcatatgcc 240
tcttgagctt gttgctgctt cctcctagtc tctcctcca tgttgacatc atggagtgt 300
gtttcctcac attcatccag ctccatgtct gtcaattgtg aagaaggctt tgggtggcaga 360
acagcctcca aggccttaac ttgatcacgg tctatagact ctggaaactc cacagtgaag 420
tgaatgtaaa gtttcccctt catgaatggc ctctgatata tgggcattcc ctcatcattt 480

atagcccttg atgaatcaag ctttacaact tccccgggat tgatgtaata agaagctga 539

<210> 10099
<211> 316
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112d11d1

<400> 10099

ggcaaggaaa ccaaactcaa aaaattttca aaactgttgt agaattaggg acaacatggc 60
tggaggatca cttggagaca acattggatt gaaggaagat gctatcaaga ggggtgcgtcg 120
gaaggcctgc taagctaaca attacaaggc aacggataag ctctactttt acgactcggc 180
tcagattttc tcggaaactt accatgtttt tcagcttccc ggaatctagg gacccctctc 240
aaaggattgt taacaaaccc ttaggggtat ccaacatata tgctaccccc tccctttttt 300
taaaactttt gttaac 316

<210> 10100
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112d12a1

<400> 10100

tttgtttttt tttttttttt catatttttt ttttttttca aaaaacagca attaatcat 60
tcaaaataaa cggagacgct acattttgat gaatgcaccc atttcgacca agtattgtca 120
ttgccagttt tttattccga tatttttacc caaacgaacc gatcttaatc ttgactcaaa 180
cttacaacta cgaagacccg acaaaagaaa aaattttcaa atacaggctt cgacatacga 240
tgctcacatg attgaatcaa ccaatcaaac agctgatagc actacagcac tccggcgacc 300
acgagggacc acggagatca ttccgacggc ggcggcgacg attgctgtgg cagcaacagt 360
ctgtacggcg acaaccgcgg tggatgcaat gggaaatgaat a 401

<210> 10101
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220112d12d1

<400> 10101

gacgacaatt gaaaaaccgc ttatttttttg gcgatgttgg aagaccgcc ctctttaccc 60
 gggatcacaa gggggcgttt ccggggccct ggtcgtctt ggttcctatt tagaaaaaa 120
 caaaacatgg ggggaggggt ctggaacctt gtgtttcaac ccggcggggg gggggggaaa 180
 cctttcgga ctcaaaatag ggggggcccc cccccattt ttggttatta tatggggggg 240
 gggcccaatt ttctttgggg ggggggagga atttttttc 279

<210> 10102

<211> 455

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112e01a1

<400> 10102

cctcggggaa ttccaattcc acattttcaa gttataagga ggcaaaaatg ttcatatatg 60
 aattggaatt atttgttttc ttattaagcc tctcctgaag ccaaaggaaa tgagatcgga 120
 attcctcggg gaattccaat tccacatttt ctagaaatta ggaggcaaaa atgttcatat 180
 atgaattgga attatttggt ttcttattag gcctatcctg aagccatagg aaatgagatc 240
 ggtattcctc ggggaattcc aattccacat tttcaagaaa taaagaggca aaaatgttca 300
 tatatgaatt ggaattattt gttttcttat taggcctatc ctgaagccaa aggaaatgag 360
 atcggtatc ctcggggaat tccaattcca cattttcaag atataaggag gcaaaaatgt 420
 tcatatatga attggaatta tttgtcttct tatta 455

<210> 10103

<211> 432

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112e01d1

<400> 10103

gggaaaaaaa aggtataaag cgccaggggg taaatacccc ccagatttg ggggcaacga 60
 aaaagccttt ttgggggccc cttggaattt gtgtgggccc cgaaaaaaa gacaggtttg 120

tgtaaaccca aggggggaaaa agggggggcg aaaaaaaaaa aggggcaaaa aaaaaaaagg 180
 aaaaaaactg ggccgaaatg caaaggtgac gaccggggaa tgcaaccgaa aagctttcat 240
 aggggggtgac cgaaaaaaag gccctggggc ggggatttaa aacatgggca cggggaaaac 300
 cccgggggga cccaatggaa tcagcgggga atggagaccg cctttcccag tggggacaaa 360
 actgaaaagg gcctcacaga catggctttc agaaagatgg cccccccaaa ggggaatggg 420
 gccccctgg ga 432

<210> 10104
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112e02d1

<400> 10104
 attcaaaaac aagaatgatt cgattctcgt ttaccacgaa cgcactacta actcaacaca 60
 ataccacgac gctgaatatg taaaaacaag tataggcata ttacaaggca tgcccaaata 120
 gctacctatc tattttttct ttttggtttt tctaaaatcc aattaacacg gttcaaaaca 180
 ccgaaaacta aaaacataac cttattataa tatataagaa gcaactaaaa cccttaatag 240
 tccaaattga agcgccacag agaaacaaat ctgagaatta ttattcattt cattcagagc 300
 gattggcgaa cctctcaacc ttgtcatcgg tcaaattgat accaaccatg gcttcacca 360
 atccgcagct aacctccgcc aaaatctcag ggctcgtgta gtgagtcacg gcctgaacaa 420
 tcgccctggc gcgcttcgag ggatcgccgc tcttgaaaac gccggagccg acgaagacgc 480
 cgctgcagcc gagctgcac atgagcg 507

<210> 10105
 <211> 527
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220112e03d1

<400> 10105
 gctccgaatc cccaattca tcgctgtcaa cgctcgtcac cgtctccgta acttccttaa 60
 tcctattcct ttccttctct ccgtttccgt cgctgcacat ctcctccgt tacggaaccg 120

aagcccggtca cagatggcgg ctgcgaatc gatgatggcg gattacgcga aatcggggaa 180
 gtcgtcgtgc agggcgtggt cccaaaagat cgaagcgaag gcattgaggc tggcttcggt 240
 ctccaaagga aatgggtccgt acgacatcgt caagtggcac cacctgcgtt gttccctct 300
 ttctctcac tctcactcct ctctgagag catcagaggc ttttctcct tgaagagtag 360
 tgaccaggaa gctctgaaga agttatttgc tgaaaataac aagtctgaag agaaggtaa 420
 tgaagcagtg gaagatgtac gaaatgagct gcnagagact ggagagcgtg gttcaaagag 480
 attaggagta gtgaccagga agctcttgag agttatttgc tgaaaat 527

<210> 10106
 <211> 580
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e05d1
 <400> 10106

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 aggctgcaaa caaccaacac tagtggttcgg ccatccgtaa gaaactgaac aaagaagaaa 120
 tgactgggag aaacttcagg atctaaccac ctccacctg tctgtgttca tgtaatgact 180
 gtcggagcgg atcgaccagt gaattcttcc atcttcgaaa gtttcaatgc aacttcaca 240
 agaggagcat gggcttcatt tgaaagtctc ccaatctttg atggatcctt ctgatattgc 300
 tcaatgtata gccgaattgg tgcaccttct gatccagctc cagataggcg gaaaatcaat 360
 cgcgatccat cctcaaacia atatccgatt ccctgatgtg atgagatgga accattcaca 420
 ggatcattgt actcaaatgc atcacgcga acaacattcg aaacatctga ctttatcccc 480
 ttaataatgt gattgacttc tgcaagtgat gactgcagct tgaccaaattg tgccatcagt 540
 tcctttggtg caactgcata cacattttca tagtcatatc 580

<210> 10107
 <211> 538
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e07d1
 <400> 10107

cttggacaaa tctgcttatg gttacaatag aaaattaaac aacttgctga aaatgggtatt 60
 tgcaattgat gatgatcatt gacactgCGT ggataaaatg gaaaacggta atccccatct 120
 aaaggcaacc catcctgaag ctttaatttg gcatcacaaa ttatgtccca tttcatcacc 180
 attttgacta aataaaacta ttggcaaaca tgctacatcc acatgaggtt ctgcctccac 240
 ctcagtttct gtctttgtta acctcttcaa cccatgttct ggccagctct ggatcctcta 300
 gtggaatcag aatcagttca tgttctgcaa ataaatcact gccttataat ttcaacttat 360
 gtagttccat gtacacccat taactgaatc atagaccata tgctagattt tatcctcatc 420
 ttctgtaaca gagctactgc agcctagaat agtctccata tgcgatccc tctcactcaa 480
 aaactttgtt gagttgtact cttctgcac taaagattct tcagagtatg tcctctga 538

<210> 10108
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112e08d1

<400> 10108

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 aactcataaa atgaaacttt taacagaggt taatgggggtt cctataatga gggggggggg 120
 cgctatctca aaagtcggcg ctgtgaaaaa aggggggcct taagaagatc tacttgagct 180
 agaatcctgg taaattcttt ctgtgggaga cacaccacaa agcgggtgact gggaccaagt 240
 ttagaggggtt taaccggggc gttaaggggg cggggctaca aaacaaactc cttaggaaat 300
 gccggttact taaaatctga ggagtctgct ttggagcttt gccgaacact ttttgggggt 360
 ttggcactgg gccttgcatg aatgaacgat gattcctcct ctaaaagaac acttgggct 419

<210> 10109
 <211> 418
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112e10d1

<400> 10109

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aaatttctga agaacaaaaa acccgggggc ccggtttttt tttccccccc caaaaaaaa 120
 cccccccctt tggaaaccct tccccggggg gggggggccc cccccccca aaaaattttt 180
 ccaccccaaa aaaaagggcc cgtttttttg ggcaaaaaaa atcccccggg gaaaaaaagg 240
 ccccccccaa aacttggggg cccctggggg ggggggggac cctggcccaa aaaaaaatgg 300
 gggggggata aaaaaaaacc ccggggggat ttggaatccc cacagggggg gggggtttta 360
 aaggccccgg cccaaaaatt tttttggggg ccccccaaa acccaatttg gggggggg 418

<210> 10110
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e11a1
 <400> 10110

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 gaatcttcaa aagtcgtcca gaagccatcc aagtcgcaa actatctata gcaactgatca 180
 ctaatcaaag taatcacaca ggttgatggt tacatacccg atatgccacg agccgctgcc 240
 acttaggaac ttggtctaga tgttggttca tacaatatcc tcgcaaagt atcggaatat 300
 cttgcatcag tgaaaactat ctctgcaaaa gcattctcat atgctagcag caaacttctg 360
 atttgcggt cagacacaag actctccaat atcatggcgg atttgcgga aacttatgga 420
 actggatgtg gcatctttat cactttaagc aaccgatcaa taggcatat ctcgttagca 480
 atcttcaaat ctgagtcocat attagcttca gcaagggtat agagtgcacc 530

<210> 10111
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112e12a1
 <400> 10111

aattcaaatt ttcattcaat cgtcaatctc aaaatttgaa agaaagcgtt attttggtaa 60
 aacctgaaaa cagtgcatag gagaaaaaaa aacaaaaaat cccaaagaaa atcaagaggc 120

attccctcct aaattgatag caagcaaata caacggaaaa ttgaaacatt agaggaagaa 180
 aacgaaatca tgctagcatt tttgtcaaaa gattctatgc gcctttgatc agtttcagtg 240
 catcctcttc tttgggaagg gcgggaattg ctcccttttg ggtagttgta attgctccac 300
 atgcatttgc atacttgagt acttctctta accttggttc atcttcaaga atggactgat 360
 catcgacaat cttggacaat agagcaccaa caaaggaatc accggcacca gttgtatcaa 420
 ctgtattaac atgaaaagca tctactgata ctttgaaatt ct 462

<210> 10112
 <211> 323
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112e12d1

<400> 10112

attagaactc aaaaatttgc tctttaactt gagatttaat ttaagaaaaa attaccgcac 60
 ctgggtgtctc atgttcttgc cggttgctcc tatcagaaaa tatacaaacc cccatgggtga 120
 caatttctat tagattctgc gtccaaaaaa gacgggatgg gcatggcact gctgacaaac 180
 ttcaaagaa agaattatgt agcggatgac cgtcccactt aaacaaggaa acttttttct 240
 tctttaagac acctttccac ggactggata tagctgttgc tttcaaacag cgggttatat 300
 ggaggtacca aaaatagagc ggc 323

<210> 10113
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112f01a1

<400> 10113

caagacaagc acaacaagca ttctgaaatt ctcttatttg ttagtatcag gactagtaac 60
 aattaacctt gaaaataaag cttcatctag ttttatcttc cataggtaga aaagtgatca 120
 agagaatata caagtcacca ggtgggaatg taccatcatc accaacacca aggaaaaaac 180
 attcattctt cttccagaat gccaatcccc tctgagaggg acatgttctt tcaaacagga 240
 aatggatctg gtgattctgg acttgtgctt tcaactgatg ctaagcctag attaaaatgg 300

acaccagatc ttcatgccag gtttatagaa gcagtcaacc agttaggggg gagctgacaa 360
 ggcaactcca aaaacagtaa tgaaactcat gggatattca gggcttacct tatatcatct 420
 aaagagccat c 431

<210> 10114
 <211> 521
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112f01d1

<400> 10114

gcacaattct ggtaaaattc cagatcaata aggattgcgg cgaagccgca aagatacaac 60
 attcattagg gaaaacagga gtgggggaaaa ataagggggg aggggttgag gaagaatcaa 120
 ttgctcacag agcatgctaa gacacctaaa tattccacac acagttattg aaacaaccca 180
 atatagagaa aatttttctt tgggtgtatta taatataaag cagaaccaaa tgacttgga 240
 gattctactt tcttatacca ttcacttggc aagtctgttg cggatgagtt ttgctgcggc 300
 aaccatgttt gtgagggtg gttcacctc agtgtactta cgggtcttga gcccacagtc 360
 agggttcacc cacaagatgt tcttctcgag cactgccagc atcttggtga ttctgtcagc 420
 aatttcttca gttggtggtt ttcttgggga gtggatgtca tagacaccag ggccaattcc 480
 agcaccatac ttacacctt cgcggaagac tgacagaagc t 521

<210> 10115
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112f03d1

<400> 10115

ctcaactcaa agaaacaaat agtttctcag atccccagac ccagttgcgt gaaattcacg 60
 atgatcaccg tgatgatggt cgccgacacc gtcgcagtaa ccaccgcaa aggcctcggc 120
 gtccttcgcg cctgccaatc cacctgtaac ttttcctcgc ccatcagat ctccgccatg 180
 attcagactt acgacgccgt cgcgccgccg ccggtcaagc ctactaccta caggctaaga 240
 cgccggagcg tcctccggag aaaacaacga accaaacgca gattatcagg agacgactcc 300

ggggacgccg gtgacgaggg attcctcttc ggtgacggcg gagacgggtcc ttttgccggc 360
 ggtggtgggt tcggtggtag cgggtggtgt tggaatttta atagatttgg gagtgggcac 420
 aattgggatg aaccttcgtc ttcggtgccg gacctgcgt tcgatttcgt gtatcaggtg 480
 ctgtcgtgga ttatgctctc gaaatgcttg catttgcgtt ca 522

<210> 10116
 <211> 587
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112f04d1

<400> 10116

gcaaacgata caaactcttt tttcatttgc agcatcaaaa tgagtggtag caacgatggt 60
 agcggcagct ggagctctag gtttttgaag gtggctagtg cagctgccgc tacagccgcc 120
 gttgccggcg gtttatatgc cattctttca tcctcaacct ctgctagctc tgagatggaa 180
 gtgccgtttg gcagcgcacg gcgtgagagc aaagaacgtg acgatggtag ctccgggtct 240
 catcctcgcg agggtgccac cacggtcagt cgttgaaga aacctgagat tggttgggtg 300
 aagctgaacg tggatggttc acgcgacca taaaaagtt cctccgctgg ttgtggtggt 360
 gttctgaggg acgcatcagc aaagtggctc cgtggctttg ctaaaaaact gaaccctact 420
 tatgcagtgc accagacaga gttagaagcc attctcacgg gcttgaaggt ggcttcagag 480
 atgaatgtta agaaactaat tgtggagtca gacagtgact ctgtggtgag catggtggag 540
 aatgngtga agcccaatca cctgactat ggtgtcgtgg aacttat 587

<210> 10117
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112f05d1

<400> 10117

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 ctaagctgag gccgccctgg tcgtcctttt ttttttttgt tttttttttt ttggttttaa 120

atctgaaatc ttgggagaat aaattaaaac ccctccaaca attaaacata tttatgctga 180
 atcaacgagt tcaggattcc agaaaagtgc gggagcctaa gaaatcaaat ccctattaac 240
 aatgcatgtc cgaatgctag ggtaggtttc ctatcgaaca tattcaactt ggggaaaaat 300
 gtacccaaat tgaaggga cgaaccctga caaaaagggt tgatcccttt taagcttagc 360
 ctgggcctgt accaccatga gtggcttcca cagggtccat gtgaagccac ggctaactt 420
 gcctaagcgt tccaatgcct tactttctaa gaactgtgcc caatgcatcc ctctcgagag 480
 acaaggggat cgtctatcag gccaggcgct gaagcaaaaa ctgtacttaa cgaggcttaa 540
 gatattcttg tccaggg 557

<210> 10118
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112f06d1
 <400> 10118

cttggacaaa tctgcttatg gttacaatag aaaattaaac aacttgctga aaatggtatt 60
 tgcaattgat gatgatcatt gacactgcgt ggataaaatg gaaaacgggt atccccatct 120
 aaaggcaacc catcctgaag ctttaatttg gcatcacaaa ttatgtccca tttcatcacc 180
 attttgacta aataaaaacta ttggcaaaca tgctacatcc acatgagggt ctgcctccac 240
 ctcagtttct gtctttgtaa acctcttcaa cccatgttct ggccagctct ggatcctcta 300
 gtggaatcag aatcagttca tgttctgcaa ataaatcact gccttataat ttcaacttat 360
 gtagttccat gtacacccat taactgaatc atataccata tgctacattt 410

<210> 10119
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112f08d1
 <400> 10119

tttctagcga ttaccatat ttgactttt tatgccacag cactggagga gaattgggga 60
 aaaccccttg gctatctgaa tgcggatgga cagaatcttt tggatatatg gaaacaacaa 120

ggcaatgtct ttatggggga gaagactaca tttggctatg aaggggatcc catgaagctg 180
 cttttttaca aatatgccag ccctcatcat ggattagcag catattattc ccttgttgag 240
 aaaatcttca aagctgatgc tgggcttcat tttccacac atgggtgcct tgaattcatg 300
 cccggaaaac aggtggcgat gatagatgac agcaaccctc cctgtctgat tgggaataag 360

<210> 10120
 <211> 351
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112f09d1

<400> 10120

aaaagagatc cagtacttct aattgccagg cattcaaaga aacatcggcg aacgaaagta 60
 atatctacac tgaaattcat ttaagggaga aatgaacaaa agagaccctt tgggtgttgt 120
 ctagcaaagt tgggtttcaa atttaagatt tatgcccattg ctaaagagct cctggcataa 180
 taactttgct ccatacggga catgagccac cacaatgtca tccgcagatt cacagtggcg 240
 gcaataaggt cctcgtattt tccggccacc agagacaggc cgcaagatca catttgcaac 300
 atttttgcatt ttgctgcaga tatgaatctg agaggagtca ctggagtgtgta a 351

<210> 10121
 <211> 205
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112f10d1

<400> 10121

caaaggtagg tggagatata tgtaaggtaa tattataaaa gaccaatgat ataatgtaaa 60
 attaaatgaa atagtcaata attgttgga aaacacctan nanaanaagg ccgtgttact 120
 cagtantcaa nacnannntn anngggngang cacgcgnacg gaaacacgga aaagggcaag 180
 agagcaaaaa cagcacggcc ttttc 205

<210> 10122
 <211> 246
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112f11a1

<400> 10122

gtagccaatg aggttgaact ccatacgtag ggcgaaagta aacctgatca taacagaaca 60
 gcctccattg ccggagaaaa accccagaga cggtagctca acccaaaaga acatagtgcg 120
 cacaaaaagg aagatccagg aacaaaggac ttgcgacccc gacggaggaa gtgcaaacca 180
 ctggagagac gcaacccaaa atgcagatgg aagccccctc ggagaaaatc gcactgtcca 240
 aagagg 246

<210> 10123

<211> 553

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112f11d1

<400> 10123

cttcacttg cacatatatt tgatattgtc attgaggaga cattcatatg gcatgggtgct 60
 tcaataggtt tctggcgtgg ggatgtcaaa ttgttaattg aagatgttgg cgaactaaaa 120
 ccaactatct tctgtgctgt tccccgtgtg cttgatagag tgtactcagg tttgacgcac 180
 aagatttctt ctgggggctt cttgaagaag acattattca actttgctta ttcataaag 240
 cttaataaca tgaagaaagg gcttagacat ggagaagcat ctccacttct tgataaaatt 300
 gtgtttgaca aggtaaagca aggtttaggg ggtagagtac gtcttatttt gtctggagca 360
 gcacctttat ctgcacatgt ggaaggttac ttacgggtgg tgacttgtgc tcatgtccta 420
 cagggatatg gtctgactga aacctgtgcg ggaacctttg tctcattacc aaatgaaata 480
 gaaatgcttt gaacagtggg cccttctgta caaaatgtgg atgtttgctt gaatctgttc 540
 ctgaaatggg ata 553

<210> 10124

<211> 71

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112f12a1

<400> 10124

ggggccgcca cctttaatca tgtggtgtcg aggatattac cgctattgct gaacctgtga 60
ctgctagtat a 71

<210> 10125

<211> 423

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220112f12d1

<400> 10125

gaaaccatgg ccttattgat tccatgattt tatttatcta ttgatatca taattttata 60
cataaacaaa caaacttatt ttatgtacca aaaaaaaaaat tatgtttttt ctctggagtg 120
cggaccttat tgagcacttg gcagactcac tagataagcc ccagatccag caagacgcct 180
at ttgaggcg tctgatacaa cccatttacc cagtttgtca gggttacttg acgcagacct 240
ttgaataaat ggtgcataat ggctaaacca ctccccaaca taaacctgtt gaggttctcat 300
aatctttgta tcaggaacat tcaaggactc tcgccaatgt gccaagcacc cggccattca 360
agggatggca aatacaacag cgaaaaaccc acgttgaaac cccatggccc tataaatgag 420
ccc 423

<210> 10126

<211> 578

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220112g01d1

<400> 10126

agcagccgag gtccagcgcc agcttcaccg acgaccagtc gtgcacggcg gagacgatgc 60
gctgcgccat gtcgaagtgc agcggcaccg acgagtagaa gaagttcgcc gccgcgaaga 120
agaggcacag cgcggagagc gccgtcaccg agccggtgat tccggccgcg aatctcgccg 180
tgctccgccc agcgccggaa aagatcctct cgaaaaagtt acacacaaga tcgaagtaaa 240
gaagatacaa aacagacaac actgaaaaca gcatcgccctg acacaagagg aaaattaggg 300
tctgccattg ctccattccg tagatcgcggt acatctcggt ccagtctctg ttattattcg 360

tcgattttcc catccgcttc ttccagaacc ttctcttcac gcttcggttt gtttaattca 420
 ccgcttcagc gagtcgctga ataaaagaaa ccgcaataat aattcagtc gaggtttatg 480
 agaaaacgtg cttctcggtt tcgctttcat tgcanaanaa aaaaaaaaaa aaagtgaatc 540
 gtttgaatgt ttgtcttgcg agtgagagaa tttgaaga 578

<210> 10127
 <211> 413
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g02d1

<400> 10127

ggaacagaca aaccgaagcc ggccattggg ttttttggga cacaggaaag caatataaga 60
 ttatacatat aatatttaca attttgcaat ggaaagcttt taacattaca aaggttgggt 120
 tgaaaaatca tacatgcaat ttacaaatt tgctttgctt gcacacaaat tttaaacct 180
 ggacctactt gccaagccag gcaacctatc attttttaca agtaaccggg cattcatttt 240
 gggctctggac aaattaaaaa gacatttcaa ttggaacaaa caaacaaaca aacttaccaa 300
 ggaaccaacc aatcacatca tgaattgcat tagtttgaac caagccaaac caccaccaac 360
 accaccacat tccgggctct ctttttttgg cttttttgca caagacgcaa acg 413

<210> 10128
 <211> 373
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g03d1

<400> 10128

gccttttgtt ttttggttgt tttttcttt ttgtctttaa tttaaattgt agtggaacag 60
 tgaatcttaa aattcgaaag aaagctttat ttcggtaaaa cctgaaaaca gtggctacgg 120
 gaaaagaaca ccaacagtac caaagaaaat ccagaggcat tccctcctaa atagatagca 180
 agcaaatcca acggaaaatg gaaaccttac tggacgaaaa ccaaaccatg ctagcatttt 240
 tgacaaaaga ttctttgccc ctgtgatcgg tgctgctgca ttctactctt cgggaacggg 300
 gggacatgat gccttggtgg tagctgaaat tgctccacat gcatttgcat acttggttac 360

taatgttaac ctt

373

<210> 10129
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112g04d1
 <400> 10129

tagctgctct gttacaaaga aagatctcca aattatgcag cccatgttaa ccatccgtgc 60
 caccatggt cttcctatgt gtctctcaag gatgattcac cctcttgctc tctctcacga 120
 tgtgtgtagg atagcggatc acgaccgtag gagacgcacc atgaggaagc ataggcactg 180
 atcactcacc agagagggta gagtgcata tgccgctcga gaaattcact ttgcggaggt 240
 caaaggcgag accgatttgc atgatctctc ccacactcat cacctggcgt tgacaccaag 300
 agctgcttag aatttagctg cttctccaaa aatgatgaat ctgctagct cctaccactt 360
 tgttatgcac tctatttaat ttcactgcga tggactcttt cgctatgata tatat 415

<210> 10130
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112g05d1
 <400> 10130

tggttgtag tagctgatgt acgtcgggaa atcgggtccg attggtgccc gggtcgacta 60
 gcttactggt cgggtggacgt cctttttggg tgggtcaatat ttttaatttt acacagacgt 120
 atcattaatg ggataataga gtacatcaca aaccttacat attttaaacg gtgatttcaa 180
 acctattaca catcacattt ttactaaaa tgtaagtgat aatccaacat tgaacattac 240
 accttaataa tatcctgctt aaaacatcct aagacgacgc accacctatt gcagaggttaa 300
 ctacttctgc atagagtagt catgaagggg tctttgatcc ttgagcagtt tgccaccaa 360
 aataa 365

<210> 10131
 <211> 93

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g06d1

<400> 10131

atacattaaa ggaggacaat ttggtatta taattttaaa ccattaataa gacagttgca 60

tcacttcatt tgtggaaaag tagccaaagc ctt 93

<210> 10132
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g07d1

<400> 10132

attaaaatac caaatcatga ttatgcattc tcacatgggc cgccagcacc attcacaagt 60

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agccaagtct gcgtgttttt cttttctac ccctaagcga acaccataat acccgacgta 180

ccactgcacg aactttctga gaccagcggc gagatccgtg gtgggcttgt accccaagtc 240

cctccacgcc aagctcacgt tagcatgcgt gaacggaacg tcgccgtttc gaggcatttt 300

gatcacgtgc ttcttcgcct ttaccccgag caacgtcttc aacacggaaa caagtttacc 360

caccggcacc ggcgatgtgt taccgagatt gtaaaactctc agctgcgcgg ggccgcgctt 420

tttccctacg acgccgtcgg tgctcttctc cgccgtgtcg agggcaccga ggcagccctt 480

gacgacgtcg tcgatgtaag tgaagtcacg cgcgacttct ctctc 525

<210> 10133
 <211> 465
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g08d1

<400> 10133

tcggttgaga atgcttacct tgtagttaga gcgagataca aatgggatgc tgcagtgcc 60

tccttaccba catgagtatg tagacacatc caagccatgt gcacattctg catttttcat 120

gggcttgcaa aggaaaaagg gagtaagagg tcaagagggg cagcaatttg atatacgtgg 180

aacagttgat gaattcagac aagaaataaa tatgtacatg tactggaagc cagggatgga 240
 tatttttgtt tctcatgttc gtcgaaagca actccctgca tttgttttct ctgatgggta 300
 caaacgcact cgaatgccaa ggcatataag ccatcaagct gaaataacca agtcatgatg 360
 ccacaaactg ctactctggg cctggattgt ctgaaagatg catcaagagg aaaaaattac 420
 tctgaaatgg tggataagaa gccagacaaa ccaataagc cggca 465

<210> 10134
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g09d1

<400> 10134

actaactgcg tgcgaaggat ttactttga acaattcaaa ccaaactcta acgcgaaacc 60
 taaaatatgg actgaggggtt ataccggatg gtttggtgca tttggcgatg ctgtgcctta 120
 cagaccagat gataatcctg aattagctgt ggcacgcttt taccagcgag gtggaactct 180
 acaaaattac tatatgtacc atggaggggac taattttggc cgggcttctg ggggaccttt 240
 tgttgctagt agttatgatt atgatgcacc aattgatgag gatggattta ttaaacagcc 300
 taagtggggc caccttaaag acgtgcataa ggccatataa ctttgcgaa aatcactgat 360
 agctactgac tccaacaatt acatctcttg gaccaaatat agaggctgca gtttacaaga 420
 caggagctgc ctgagctgcc ttccttgatc acattggcac atctgatgca acaaggaccc 480
 ttaatggaaa atcata 496

<210> 10135
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220112g10d1

<400> 10135

gcaccaaaaa catcgcatat cattatcaaa tgtttgaaca tgaacacgaa cactatacac 60
 taacataaaa atctagccta caaaactgta acaagacgat ggcttgattc tagctgttaa 120
 gataaacaat gtatcaagcg cgatcagaat ttcaccggat taacacacac gttgctcaga 180

tgacacgggc agatttcccc attggactct taagataaaa gctcctgaca ttgttgccag 240
 ttctttttca acgaagagac gaggggatta acactcagtt gaacattttg gaagatttgc 300
 ttttctcca tactaacatt cgagacagct attgtcatgc agagcacctt cttaagttga 360
 aatttaatca tggccgtgga ctgggtcacc ttgactcaa gagtt 405

<210> 10136
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112g11a1
 <400> 10136

gtagtaatgt gacaaatatt tgaattctgg tatgcttatac tgaggaaaac aaaatgacag 60
 taactataag aggacttgca gtgatttgaa acacaatatt atataaaatt aatcgcgttt 120
 gattggagta gcttgaactc gaagaggctg aaccttcttt aatgatatac catattgctc 180
 ctccatgttc atgtgttctg gaattaaccc atcagctagc ttccattcaa agttgtgtac 240
 aagggatgct actattaaat gcattgtcct gtgagctaata ggcaatcctg ggcatatcct 300
 tttaccagct tcaaagggtg tgagcttaaa atcgtgacct ttaaaatcaa tctcacattt 360
 caaaaatctt tcgggcataa aaattgttgg attctcccaa atgggttgat ctcgatccat 420
 gggccacaca ttgaccaaga tttgtgcatt tttaggcaca ttgaagccag atatgtttac 480
 catttcatca cacttatgga gtactaaaag tggacctggt ggatgc 526

<210> 10137
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112g11d1
 <400> 10137

atcacaaatt tattcagttt ccgcttatag ataaagttgc tgctcttgct ataaatggag 60
 cggcagaaat aacaactgga catgttcctt taaatgcact gcaagctatt gagggttaac 120
 cttatcatgg atacactcag gtgcgcttgc tctggctgct gaaccaccta cacaacgact 180
 gatgcgcaga ttacgcttac tggcctagag aacctatgat aacgcacatt atgtggagaa 240

actagatcat acctgctgtc tatgagaaag caattctact cgctcttaac ttatgacgtg 300
aaag 304

<210> 10138
<211> 463
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112g12a1

<400> 10138

gacgaaaata acagtactgt ctcatcagaa acaagaaaca atgttgcattg catgcacaca 60
cagagttggtt aatcaacgcg tgtgggttaat aatagtaata ataaggacct attgttctct 120
agatctcacc cactgtctct ctacacgcac aattttacatc ttgtgattgt taacaatgcc 180
gtccatgacg gcgaggcaat tgccgctcaa ctggaacagc ttgggggttat cttcagggaa 240
gggcatgtcg accccgggag actctttgaa agcatccttg catgcttctt tgtacgaaag 300
gacagagctg aacctgtacc aagcattcac caggttctgg ttgccaaca actccacaga 360
ttcctttatg ttatctagaa tgttatcgta ctgcgactgg cagatgccca acgcgtccat 420
ggcgttcttc gtcgtggctg ggtcggctag catatttttg atg 463

<210> 10139
<211> 541
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112g12d1

<400> 10139

gcaagagcaa aaacatgcag ccacacgtta acattaatat gtacaagttc tgtacaactg 60
agttttctca gctaataatt attaggcttt atggacagag gaaccaaaga aacatactgt 120
aattagatct cactactaaa agaaacttgg gagggaaact ggcaccagc tcaacctaat 180
atgggatgtt agcatgaaat ccacttttgc caactgtaga atgtgttggg ctaagtttat 240
tataaaaccc cagctaaagc agtcgatatt gtgggtgtat gccatcgggtg tcaacctgtc 300
agtaagtcag aatgctttac agagggttagt cttcatgtta gatgaacctt gctgatcaag 360
tggacttggtg gttgaggagc cccacaactt ggtcctcttt gtttcggata tcctcacacg 420

ctgccccgtg gcgccagtg attggccagt ggaggaagaa gtttgggaat tgaagtttct 420
gtatgaggc 429

<210> 10142
<211> 584
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112h03d1

<400> 10142

cacaaccact cttaatttct ctcttccttg ctcatttaca cacctctcca acctttcact 60
ttcagcttta tttgaatccc tctctctcct ttccaaatgg ccagcggtga ggttgacacat 120
caaacaccaa caacagttcc agaaaatgaa acaaccgagg taatcaagac ccaggaaaca 180
accccgaac cagtaccagc cactgaggct cctgcaacag aacaagcagc agctgagggt 240
cctgctcaag aagaacaaca agcaactgag gttcctgccc cagaatcaac caccgaagca 300
ccaaaggaag aaaccaccga agcaccaaca acagaaacag tagaaacaac aactacagaa 360
gaagccaagc cagaggagcc taaagaagtt gcagttgaga ccgaggaggt ggtgacaaag 420
gagacagagg aagagaagcc agcagcagaa gagaaatcag aggagaaaac tgaagaagtg 480
aaagaagaag cagaagagcc taaagaaact actgaaacag aaacagaatc agcaccagca 540
gcaaccacag aggaagagaa caaaccagct gagacagtgg aagc 584

<210> 10143
<211> 588
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220112h04d1

<400> 10143

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agtattggaa gcaaaggctc ttctgaaaga agccctccaa gcagaagttg gattgccagt 120
cgacagaaat attcctctca ttggtttcat tggtaggctt gaagagcaaa aaggttctga 180
tattcttgca gaagccattc cccaatttat caagcagaat gttcagttgg tagccctagg 240
aacaggaaaa aaacaaatgg aaaagcagct tgaggaactt gaaatatcat accctgataa 300

ggccagagga gtggcaaaat tcaatgttcc cctagcccac atgataatag ctggagctga 360
 ttttatattg gttcctagca gatttgagcc ttgtgggtctc attcagttac aagctatgcg 420
 ctatggatct gtaccaattg ttgcctcaac aggtggatta gttgacactg tcaaagaagg 480
 cttcactgga tttcagatgg gtgccttcaa tgttgaatgt gatgctgtgg atccggctga 540
 tgtggatgct atatcaaaga ctgtcaaaag ggcccttgca gtctatgg 588

<210> 10144
 <211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112h05d1

<400> 10144

ctgaattaaa ttacattgcc ctgaatattg ggtagacaaa cattccccctt tgaataaggg 60
 taagggttaag gcaccagatg agagatgggtg catatttcac aaggggaaaa aaatgggtttg 120
 aaactgtaca catttaaaaa aaatgaaaaa aggggtgaaaa ggggtcaaga ctccactatc 180
 ataggggaaag gaacagcctt tgatgaatac aacagtttcc ggaagctctt gttcagatga 240
 tgaacccttg agttgaaaaa agaaaaattc cttattgaag gatttaagaa gcatcactga 300
 gtgagactaa acagatgcta aagattgttc actttgtact caatctatgt gtcgtgggtga 360
 aaatgggggt cgtaggatc atctgtccaa tgcattctatt cacattctgt atcttaccct 420
 aagcttggct taggcgtctg ggaaattcca tacgttcgta cca 463

<210> 10145
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112h06d1

<400> 10145

tgcttagtat ctgatcgagt cggtagccgt tcgggggtatc gacaggggtca gtaatgctac 60
 tacgcgggtg tcgtcctttt ttgggtaata atttttcttt ttttagctat tttctaggaa 120
 ataatacaaa ctgaattgaa aatttaaaaag gaatatcaaa attatatata tcaagtctgg 180
 ctgccactat aagcctcaga aacagtatca ttaaccaact cttgatgtta gccgtcactc 240

ggatgctact cgaagtttat catacatata ttcctacgaa acataatagt aatcatggta 300
 tcagctgata ttaagcggct tcatactgta agaaatttat attattccca agacttgagg 360
 caatcttctt gagctatact tataatattg atgaatacac tcaaattacc atcttcttga 420
 tttaaatgc tatgttaacc aaatTTTTTT tatocaaaac acttttagtt ataggtttgc 480
 cccaaggaat ccaaaatc 498

<210> 10146
 <211> 580
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112h07d1

<400> 10146
 agcaataaat ttcatttcat ttcatacagaa taatgggtac attacaaagc tttcttatat 60
 cacaaccaat atacgcgcac taaaatacaa agaaagaggg ccacaagagg tttattttaa 120
 ctcaaacaac ctatgccccg tctgattcaa acacaggctt cgtccaacgt acgagctcgg 180
 acccatggaa taattcggtta tatgcacaat gtgtacataa cacaacaaaa acaaattaac 240
 agtgtaagaa acaaaataac aaacatgtac tacgtattag tgaggcatgc atgaatgttg 300
 tgaaccactg aaaatttaat taaattaaat gccagcaagg cactctggtg gggtcactgg 360
 gaaccttgac ttatccttac aatagtcata gataacatgg ttcagacgaa cccacctgta 420
 ccttcttgct tcaatggagt taagggcttg gtatgctgcc ccttccacca gttacttggg 480
 ttggaggcac agtttgcagg tctggcact gcacatcctt caatgttgaa gtcctttag 540
 taagcgtaga atggtgcttt gctccatcta tttctccaat 580

<210> 10147
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112h08d1

<400> 10147
 tttcgagcga acaatttatt tccggtatgg aatatgccgc caacaacttt gccagaggcc 60
 acttcaccgt tggcaaagag atcgtatatc tgtgcttggg tcgctccga aagctcgcaa 120

acaactgcac tggtccttca gggcttttct cgtcttcaac gctgtcggcg gtggcaccgg 180
 ttccgggtctc ggatctctct tgtcagagcg cctctccgtc gattacggca aaaagtgcaa 240
 atgaggggttc accatthtacc cttcccttca ggtttcaacc gcgggctgtg agccctacaa 300
 cagcgtcttc tccacccact cccttctgga acacaccgac gcggctgttc tctaggacaa 360
 cgaagccatc tacgacatct gtaggagatc tctcgacatc gagaggccca cctacaccaa 420
 cctcaacagg ctcatthtccc agatcatttc gtcgctcacc acttccttga ggtttgatgg 480
 cgctatcaat gtggatatca ctgagtttca gacc 514

<210> 10148
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112h09d1
 <400> 10148

gctcgagcta gttcctaata cttacttttt atttttcagc aaagacagaa aattggcgcc 60
 atttccttgc caatctgaat gcaaattggag agaaactttt ggtatgtggg aaacactacc 120
 gtacagtctt cattgcgtgt ttatgccgga cattagactc cgaagcgcg accaatgttg 180
 catgtttttt ttcaaactct ggcacacttc acatggattt ggagtgtacc cgtgctgtgc 240
 ggaaaagatt tgtattgctg atgctgaact tcgttacggg acacatgggt cgtttgattt 300
 tactcctgga aaacaggggg g 321

<210> 10149
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112h10d1
 <400> 10149

ttctgagctc cggtttggtc agtctttttt ggttttttgt tacgcgcaca catgtatagc 60
 tccgtgccgg gaaagacaac catccacga ctagctggtg atagggaaga cactgatat 120
 catggggcca acaatgggtg cagaagctcg aactagttag tctcagagcc accggccac 180
 ggggacatgc ctgagtgaca cctgctgtgg ctctgattgc cgaaccgaac ctcttactgg 240

acgacactgg ggtggcttac gaagaagatg cttctgctct caaacattga taaattgtac 300
 aaaagtgaat aaccgggtgct ttgattcaag aggaaagaat ctatgcatct gtctacacag 360
 ggaagccaat aaccgctttg tgtgtggcac taatggctac ccatt 405

<210> 10150
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220112h11a1
 <400> 10150

agtgtcgggtt tattgcagcg gaatcatcac atgtaatctc gcaaccaca accacaaaca 60
 atcccattcc tccttttttt tttgtatcca taaccgacaa cataaattgg aaaagcaaaa 120
 gcaatctaga gtttttcttt taataaagct gtagtaacat atagatatat atgctcctct 180
 cactattctt ctccagtaat gtatttcact acaccggtaa aaaaaagaat actaatactg 240
 taataatcct gaaccctaac agaaacgtgc gtagtcacga gtgttattac ccattggagg 300
 aatctcgaaa tgccagagcc ttccaacacc ttgaccaag tgcttcctac acagaaactc 360
 cttcgcgtaa accttctcca ccttcogatc cacatcgtgc aagaacacgt gcgtcacacc 420
 ggatcccttc ctgtccctag ccatcaccgt cgncgagaat attgccgtca tgcgccccgg 480
 cgccttcgaa agtaccctt cggcgcgtcg atcatg 516

<210> 10151
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220112h11d1
 <400> 10151

ggataatatc ataatttaag aaattctcaa ataaggcgaa tgttcacttc aggtgaaccc 60
 caaatcattg cactcaaata aataggtggt ttgcttgta tcagggaata tagcacgaaa 120
 cgtccaaatt tcacaagaaa atgtcatata gagaagaaag aagaggtaca agaggggaaa 180
 aaaatcaacc aggcaaaaga atataaatga gcaaactc aatttcagc cactgcttca 240

atcaagatct tttagcatcc tgtcataagt cagtggtaag gtatgtaccg gtagtataca 300
 acaatgctac tttagctact atgatgcata tatccagctc taccctgaaa gcatgagtga 360
 cagaatataa aagtgaaaaaa ggcattatcg tttaacgaaa ttcctcacca actcagtcgg 420
 tgacagttca aaagaacatt ttcctgaaaaa ggcaacttca gtacaaaatc acatcattga 480
 gatgccccctg tgacagtaac tgctgattcg 510

<210> 10152
 <211> 565
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220112h12a1

<400> 10152
 aactaattct ttctactgaa atgattataa ttaatgaata aatcaatgaa ccataggata 60
 caaaatacgt gtaagatgat tagtggtaac ttacatataa ccttaacatt taaaattgct 120
 caaacctcag aatcaacagt tacaactcaa aaacatagat gacttactca cagcacactg 180
 gctggtgttc tttctgtaat ttctccaaa ggcatagcac catcctcgga ctttgataat 240
 gggcaattac ataatttgat tcacatccag cgttgtaaaa cctctcatca ttttcataat 300
 gtacttcttt accatcattc ttgaactggt caatccatat gcccatggca acatcttcta 360
 atttaaagag cttgagtttt ctttcttggt gggcatggac aataaatttt gctatgtctc 420
 gtgagataac atagccagga ccatgtgccc atggtgggta tgtatcatgg ggccattcct 480
 cctcactgat gtaccacttg ctgccttcgt ccctctgagg agatgattta gaagatatga 540
 gaccgtacaa gaggcctttc gatgg 565

<210> 10153
 <211> 581
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220112h12d1

<400> 10153
 tggccatacg tgctgaggt actcttccac aggagaggtg gagaaaatgg ctggtgtggg 60
 cggcgaggt gggggggttc ccattgcaaa ggaaattcag tctcccctgg tgccctgcca 120

gctccctgca ccccagggag cagactgact ctgggaaagc gggcagggtta tggcgggtga 180
 tttatcgag gccagctgc cttcccgac ctctcgagct ccctgtgacc tggcttccca 240
 gcaacccta tccccaaat aacctctgga ggggcttaat gaggggaggc tggatacctc 300
 catcttcccc actgccctct cttttctccc atgtccacct cttgggagtg gaatttatgt 360
 tgtctcccca gagactgtgc tgaaagtcaa gatgtctgag ccaaagactc cttagagatc 420
 tgctagtcca gaaagacaaa tcagcagccc tttgctggtg nttttggtct gcttctcagt 480
 ctgcacagtt aaaaaaaaaa aaaaaaaga attagttgcc aacatttaaa cagaaatagg 540
 ttgcacataa aaatctgatt tctgatttct cttaaaaatc c 581

<210> 10154
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113a01a1
 <400> 10154

attcatttgt ctgcagcaaa tttttcttcc attaattatt atgtatatag gactcagctc 60
 tggagagatc ttattatgaa cagtccattt aatttatgta cagaaaataa agaaatggga 120
 tatgttgctt catttttata ctgtgggagg acatgccacc cccggccgaa cgatttagag 180
 aacgaagcct actttttatc aatcccaata ttctttgcca aggctcccc gagcaagctt 240
 ttttaataaa gtttaggttt ttttgtataa actttttaca cttaactttg aaatctaggt 300
 gtgtaaacia cattgctctt ttagtttaca aatcgtgtat gtgttttttt ca 352

<210> 10155
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113a03a1
 <400> 10155

gtgaagcagc agaggaggga tcggcattaa aaatgcagat cttcgtgaaa accctaacgg 60
 ggaagaccat aacctcgag gtcgaaagca gcgacaccat tgacaatgtg aaggctaaga 120
 ttcaagacaa ggaaggcatc cctccggatc agcagcgttt gattttcgcc ggaaagcaac 180

ttgaagatgg aaggaccttg gccgattaca acatccagaa ggaatcaacc cttcaccttg 240
 tcctcaggct tgggtggggc atcatagagc cttccctcat ggctttggct cgcaaataca 300
 accaggacaa gatgatttgc cgcaaatgct atggctcgtc tgcaccctag ggctgtgaac 360
 tgccgtaaga agaagtgcgg tcatagtaac cagttgaggc ctaagaagaa gatcaagtaa 420
 actctgggtg ggat 434

<210> 10156
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a03d1

<400> 10156

aaaaccata aaaaatcccg gaaaagggg caaaaaatta ccggttttaa aaccccaccg 60
 gctaaagggg aaaccagacc aaaagggcaa aaaacccaat aatggggcaa accccaaagg 120
 ggcccaaaaa aaaataaagg gccaggcaaa aactttgggc caaaaacaat taaccttaaa 180
 aaaaaccga aacgataaat cccaacaag gccccggttt aaaacaaaca aaacgaaagt 240
 ggagccccac aatttcccc cccaaattta ccggygacttt tttttaggcc ccaaaggggt 300
 accatgacct cctttttttt tacgggggtt cacaccccca gggggccaac cagcctaaca 360
 tttgggggaa aaaaatttgg cccgggg 387

<210> 10157
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a04a1

<400> 10157

tggacacaga cacatggatt ggggtgtcaga gttcatagct ggtggttcat acgggacccc 60
 tccttacaat gaaaatttcc ataaatatct tgtttcaaag attcctatca aaccacttga 120
 tttagataca acaactgcat tattgcttga ctatttccca gaagaaggct aatggaaact 180
 ttttgaacaa ccacaaaaca tggaaattgc ttcttctcat actgaaacta gtgaagaggc 240
 tgggccaag gtgaaggctc cctcatctgc aaaatcttct aatgcagagc aatatattga 300

accactatat gtaatattgg atactgaaaa gcaacaagaa cctgtcaaag agttcattac 360
 aacagacaca gaaaacagaa tgactgacat aagtgatgac aggtcagatg aattgatgca 420
 atttgtgaaa cacagagtgt tacatttttt gagatggaag ttgggccag ctgaatgctg 480
 ctgaaatgat agaaatgaag t 501

<210> 10158
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a04d1

<400> 10158

caatataaat atatatgcct ctgaaaaggg taaatttaag agagaaaaga ggagcaaaac 60
 aaaactgata cctacatgat cctatatcct agctcttcta catcataatg atcatattct 120
 gttttgctaa atagtgtac aacaagcaaa acttacagta accctactgt ccacttcgat 180
 cgacggagaa agtacaaaaa taaaatacaa aaatctcttt acaaacttgt aactttctac 240
 tttcaaaatc aaccttgtac accgtaccta tagtctataa atctaaaatt cacatcataa 300
 ctgatgcctg cctctagggt ccaaagaga aatttacaag atactcagaa ttgaagcctt 360
 taatgttcct aagtttcacc tttcggttat gccctcgat tactgtcttc tcattcttta 420
 ctccccaatt aacagtacaa gagatacttg tacagtgtat taatagaatc aaaatgcccc 480
 actggctaac tctagctttg gcatattaac acaacggcat tgtcaaattc ataactgtaa 540
 tgat 544

<210> 10159
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a05a1

<400> 10159

ggcaaggaaa ccaaactcaa aaaatttcca aaactgttgt agaattaggg acaacatggc 60
 tggaggatca cttggagaca acattggatt gaaggaagat gctatcaaga ggggtgtgtg 120
 tttggcctgc aaagctaaca atcacaagtc aacggataag ctctactttt acgacaaggt 180

tcagatttct tcggaaactt accatgtttt cagcttcccg ggatcttggg atcc 234

<210> 10160
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113a05d1
 <400> 10160

ctgaccctac tattaacaa atttatttag tccagcagtc tgaatgattt ttggttctca 60
 caagtaatac aaaacttggg aatcaaaaac attaggaata caaatacaaa gttacaacac 120
 tgaagtaacc aacactacac ctgcatgaca aatacacatc aaaagcatca tcagaagctt 180
 atagcttcct cattgagtgg aaaaagact aatacagaat atcctttcac agcagtaact 240
 agactagcta ggaagaagtg tccttgagtt cctgaggtag aatatacctc cacctaataa 300
 agttaggatac cttcaagaac gtatccttgg ctagtacttt ctcatcatca gtccaatttt 360
 taaggctctt ttgaagctgc ttaacccttt gctcgacatg atcatcaaga ggcttcttgc 420
 tgттаатсса gctataaagt tcctccactt cagcccaaaa ggttgattca gtgataggag 480
 cagggtggcat ccctttagca tgttccaacc atccttgagt gtacctatac c 531

<210> 10161
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220113a06d1
 <400> 10161

aactcaaatg taaacaagca ttgtaattcc acttatagaa cgtagatttg accaaaaata 60
 atccgaatct cagataattc acccattacc aatttttcca gcaaagaatc ccagcatcaa 120
 ctctcaccca cgacgatttt tccaggtaca attcaaattg ttatacaaaa cgtagagacc 180
 agacaaaatc aacaaaaatt aagcagagcc tgtgttctct ggtttgctcag tctccattgg 240
 ttcagcagat gctggtggtg gggctggatt agcattgtcc cctgcctttt cattagtact 300
 ggcattagga ttctcctcag gtggttggtg atgctgctgc tgtggctgct caccaccctg 360

aggaggtggg gttgctgggtg cttctgggtg agctggcttg ggtggtgggtg gctttgggtt 420
 catcataatt ggcttacaga acctgtcaac agcttcagct ttctttctta tgtcagctga 480
 caaaagtacc ggngtgacat atttcggaag agagtcctgt tgctgctttt tc 532

<210> 10162
 <211> 550
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a07d1

<400> 10162

caatcaagaa actcattaga gatctcttgc tatacaaag aaagaaataa ttggtctatg 60
 gccgctaaag atattaacta gacaagagca taccatagtag taggacatgc atgtgataat 120
 ttacagagaa atatatgatt tgataaattt ccttgctttt caaattttgt gcattgatat 180
 aatcatgaac cagcatgtaa caatgagaac ttagcccata aacatatctt acccttatcc 240
 aagaccaagc ttgccccagt gaccaaccaa tggccaggac tatcttgttg acctttacac 300
 aactgtgacg tttctacaaa tttcaacagc ttttgtgttt gcacaggcac tggaggtcct 360
 gttggaaaca cacttgaatc caaaaccaca actggttttt tctggttctg gtctttacca 420
 gaaattgatg tgcttattac tgagaaaatg ccagacctt gggataaccc ggaggagccc 480
 tgtgtccaac ttgatttaca actgcacaat tagacacctt agagaacaac agcctcaatg 540
 aaggacactc 550

<210> 10163
 <211> 318
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113a08d1

<400> 10163

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 ggcacttatc acagttcaca tgcatatatc atgccatcat atctttaggg aacattctcc 120
 aatccatact gatctcccat attttactgc aagatgatta acttaaagac acacagatat 180
 atttcagcta aaagcatatc tatatactaa gacaagtcta atgaaaatgc ttacaatctg 240

09531113.032200

gctgctttat gctttaggca aatagatggt ggtgtttctt tccatgagct ttctcatctc 300
gcaactttgc ttactttt 318

<210> 10164
<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113a10d1

<400> 10164

aacacaatgc atttgtatta tagaaaacac agtatgttac aaagtcacta aaacaaatga 60
ttaaccgacc atgctggcaa tcatacccat atatttttca aaagtgccta actaatgtct 120
atctcaattc aacatgagtt cattccccac attaggccga aggcaaacac aaacttcatg 180
ctcttctgct cctggaagaa gttttggcac cattatctca agcacagatc ctggcccatc 240
gtagtacgct tctatattgg catcttcagg aattcgagtt gaaagtggga ttccacgaac 300
aaactcacca ggagggcagt gctctgacga tggctctgaa agcttgaatg tcctatcggt 360
tcttttaata aatggcttgc aagatatgct cacacaagaa acctttatga taccatgagt 420
aacaatgttc ctccatgaaa ctttcacact aggaagaacc acgaatggca gactgataat 480
gatcaagaaa cct 493

<210> 10165
<211> 440
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113a11d1

<400> 10165

gcaatcagaa tcaacaaaga gccgagtcca tcagcaagta tataataatc caaaaactcc 60
atcccctaca cagaagagac aacaaaaaaa agcttaatgc tcctaacagg gtaacaacac 120
cggttcccga aaccgattta ttcatacttc tcattttctgc ccgagcaaga agacactaaa 180
tcgcagctag acaccagcac ataatgtcta gacaagctac ttttttttca gtacaacctt 240
aaaaagactt cttggcaacg aatacaagca ggtcaatgac acgtgagctg gatccccact 300
cgggtggcata ccaagagaca agcttcacaa agttgttatt caatgcaatt ccagcctttg 360

catcaaaaat acttgatctg ctatcgccca caaagtcggc ggagaccaca tcattcttcag 420
 tgtaaccaag aatttccttt 440

<210> 10166
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113a12d1

<400> 10166

aagtgtaacg tagtgtttta ttaatagtga acacagaaaa aactagcctc atcaaccact 60
 caaaggaatt cacaattcta cataatctgc gtacgcaata actacatgtt atttggaata 120
 ggtgatccaa aacagtgcc aactagtcag catgatacag ctcttataaa ccataaatgc 180
 caatgaaggg catcaacact gatgcaatcc aaagcttccc atttttcttt tccacttcac 240
 tgatgaactt caagggcttc ccatcacaat cttccaagac ttgtaatatc tgttctttat 300
 cactgagctt tacagcagca tcatgaggct tccaccctgc aaatgatgtg tgcagctgct 360
 tgaaattaaa tccaatttta gggaatgcct ttcccaccca aggattggaa gaaaccact 420
 ttgtgaaagg gcttctcttt ggatgcaga 449

<210> 10167
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113b01a1

<400> 10167

acttctggta atgaacgtgt tgatctagaa gaatttgta atgggtgcag tagatggctt 60
 caaagggccc agcgtgctcg agttgcatct ggtgatgctg gtccacacac aatgaagttt 120
 ttaagtgatt ttacacagga aacaaagagg gaacatgata tgctggatgt gggaggctcag 180
 gttaatgaag aggctgaggg cattgagaat gctaaatgga tttccatcaa agcagttctg 240
 cttctgctat tgggtactat tattgctgct gcgtttgctg atcctctggg tgatgcagtg 300
 gataactttt ctgaggctac aagtattcct gctttcttca tttccttcac ttttctgccc 360
 ttagcaacca attcaagtga agcagtgatc gctataattt ttgcttagtc gtgataagag 420

gcaaactgcc tcattaactt tctctgagc

449

<210> 10168
<211> 409
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113b02a1

<400> 10168

ggaagggggg cttttgggga ggtagactg tgccgggaga agaaatctgg aaatatttat 60
gctatgaaaa agctgaagaa atctgaaatg cttaggagag gccaggtgga acatgttaga 120
gctgagagga aatttgctgg ccgaagttgc cagtcattgc attgtgaaac tttactactc 180
atttcaggat gctgagtact tgtatttaat tatggagtat ctgcctgggg gtgacgttat 240
gactctgctg atgaggggaag acaccttaag tgaaaatgtt gctagatttt acattgcaca 300
aagtgttctg gccatagaat ctattcacia acacaattac attcacagag atattaaacc 360
tgataacctt cttctggata aaaatgggtca catgaagctc tctgatttt 409

<210> 10169
<211> 520
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113b03d1

<400> 10169

aaacaaaggc tttttattga tgataataga ttatcagagt atttacatac tccaaacaca 60
cgagatatta ataccaaatt acgcaaatta ttggtgctga taatatggta aactttgtaa 120
tgcaccccgat atcaacaaac aagttaacat aaaatcacia tgtccaatta ctttttgttg 180
taatgatggg gcaccacact tttcttgaac atttacttcc agtcaagcat gtccaacagc 240
cacaagactt cttccttaga atttgctaca tcacagaaat ccatttggat cccaaataca 300
tccatgagat cttcatttct atcttccatg aatagcaaag agatccatgc acggatgcc 360
gacaaaaatg ggtagccagg ggatattgtt aggtaaatcaa aagccaaggc tctatatgat 420
gaacgatcga tgtaatcaaa catggacttg tttattacac gagcaacctt atttgaatcc 480
ttccttccaa ccatcacaga gacactaaca ttctggtttt 520

002220113b03d1

<210> 10170
 <211> 406
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113b04d1

<400> 10170

tttttaaata ttattttccc tcttttttga acaccaaac acattgggtt aaactaggat 60
 taagaccatt tataaatcga ctggtttatt catgcctgtc ggcaaataaa tatataatgt 120
 aaaaaaaaaa aaccacaaat aaagatctaa aaaattgaca ctattatata catctcaata 180
 tcaatcatta catatcacc tgatcggtat gatccaccgg agttgttgta cggccctctc 240
 gtcgagattg ccggtggcga ctgccgcaa atttcaacct tccggactcc ttaaactttt 300
 gattctcgga gggatcaatg accactcgg gttgctggca cagggtacct taaaggatca 360
 ttcctatatt aataggccat gtaacgctga cggaaccgtc gcatgg 406

<210> 10171
 <211> 380
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113b05a1

<400> 10171

ctctgctcgt gcctctaggg ttatcatatc tccatttcca tttcctctct ctcatgtttct 60
 aagaatctta agctatggga aagtcttacc caaccgtgag cgctgattac cagaaggccg 120
 ttgagaaggc gaagaagaag ctcatagggt tcacgctga gaagagatgc gtcctcttaa 180
 tgctccgttt ggcattggac tctgctggaa cttacgacgt gagctcgaag accggtgggc 240
 ccttcggaac cataaagcac ccctccgaac tcgctcacgg cgctaacaac ggtcttgaca 300
 tcgctgttag gcttttggag ccaactcaaag cggagtttcc tattttgagc tacgccgatt 360
 tctaccagtt ggctggcggt 380

<210> 10172
 <211> 553
 <212> DNA
 <213> Glycine max

<223> : Clone ID: jC-gmf102220113b05d1

<400> 10172

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aatagacata ttactagtta ttacggtaaa tggtcacata ctacaaaggg taataatatc   60
gcaatcgctg aacaatgtta tttaacaaaa ggatcgacca caaataaaaa caacccaact  120
ccaatcatca tcaccacgtc cagcaaaata cattcaaaag ctatctaaaa atttgaggaa  180
cccacagtgg cgcattagaa accatgacca tagaatttat gagagaaata ttatgggcac  240
cgtgcctctc caacaatccc caaaacgttg cttaggcttc agcaaacca agctcagaaa  300
gcttttgggtg agcctcagcg taatcagcga agaaagcatc ttcgtccgat gcatatttct  360
caacaagagg gcggaacaca gggtcagaca aaagtgcctt gtcagaaggt agctgaagga  420
ggccttcttt ctcaccactc aacaactcct tgaagtatga gttgtcgaaa ataagaggat  480
tagaggtcca gggaccctcg aatccagaac gtccttgtg cgcagcttcc atagtgtgac  540
ccccagacag agc                                                         553

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<210> 10173

<211> 564

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113b06d1

<400> 10173

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ggggagataa atataattca tgattcagag aaaatagtca aaatacagtg aatcatactt   60
gtacaaacga aaacacaatt taatatttgc ctctcatcaa taaacaactg aaacagataa  120
atagcttgac tcaatcaaaa gtacttactg cccaaattat atatataata aagaagtaca  180
ataaggcaga ggcataggca caacaccccc ttgaagctaa cactaacaaa caccattcat  240
cttgtcattg ttcttcttcc tcttcaacac aaacttcttc caaatggcag tgatttcctt  300
ctgagtctcc ataggattct tcttagcaac cactaccttg ccattttctt ctgcactgag  360
tgtcacagtg gtgctgctga tgacccttgc aggaagtga tcaagctcat gcagcacctt  420
cttcacatcg gacacgagac gcttcgagag ggtccttgag aagtcctccc tgatgacaac  480
acgaagcact gtgacatggt gagcatcctg gggcatgggt tatgctggca ctattcacc  540
aaagcgctt aaaaagtctg agat                                                         564

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<210> 10174
 <211> 592
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113b07d1

<400> 10174

ggtacaaact ttacaccttt gctgattatt tcatagcaaa tgttacacag aatagagtat 60
 gtgattcaat gtatggctcg gtgagccaag aaggaggcaa taaataggcc aatgttagta 120
 tcagcaaaaa tgcacaaaat ataacattcg ggtcagcaga tccttcgaaa gtgggagtaa 180
 ataatttata aaccacaaga aatgaaaagg aattcctcag aaaattacat caagtgcac 240
 ctcttctcat ttctatggca ccattgttga acatctaagc cttcccaaatt ttctattaac 300
 cttatgcacg ttttccttga gccaaagctta cacgcatagc cgcctcttct agttccacat 360
 cattcaaggc tgcaacagca gcttccatct ctgcttgtgt tgaatagcaa acgaaacccat 420
 agccacgtga tcttccagtt tctccatcat acaagaccct tgctccaacc actgttccat 480
 attcttgaaa ggcttgtgtc aatatctcat tagttactga ccatgacagg tttccaacaa 540
 aaagcttggt tcagtttcag ggtacaaggg ttcttttggg cttgggtttgc ta 592

<210> 10175
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113b08d1

<400> 10175

cggtcgcgcg tcattgatcc atcgtcagct acgtcagga agcattacgg aatttatcga 60
 cggtcactac tagctcactc gtcgttgccc gccctttttt ttttattttt aaaaaatttt 120
 tacgacagta tctattaccg ggaaaatgct tatacatcga aggaaaatgc ctatgaacag 180
 catggcatat aactccccga aggctcatta tcagtggaga aacagtgatg gaacacctat 240
 aaccatatac agattcgaaa atacgctggg accagcttgc ccgactccag cctagacttg 300
 accgctacgt gtgtaatcaa aagccagcca gccttatatt gggccacacg gaatggacca 360
 ctgaaatctg tcaaatggga ttccactgcg cttgccaac ctttgtccga ataccctgtg 420

ttcccatgac cagcattcag gtccaagcag cggtggaaga ttctcacctg gatccaaaga 480
ct 482

<210> 10176
<211> 424
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113b09d1

<400> 10176

acaaaagact acataattaa aaatataaca actcttggac acttttttagt ttgggaaaca 60
aacaagaaat gattaccaag tgagatcaga caataagatt cttccaaaca agaataggcc 120
taaacagatc caaaataagg ggggcctcgt gtattgatct ttccaaacat acgacaaata 180
ttctatagac aagcaattac ttaaggggtt gataaatccg gagaaataat atgggaaatt 240
ctccatatct ctctctctct ctaattttcg aaataagctg ttccaatcat ccaaaccaaa 300
tactaagggtt tgggttcctg aggaatttcc atagctgctt ggagaattat cttaaattgca 360
ctttgcatgg acaacttcaa tttatggctg gctatgaagg ctttttccgt tttgagggga 420
acac 424

<210> 10177
<211> 509
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113b10d1

<400> 10177

atgtaataat ggtacaagat gaattctcat ttacagtac tctcaggatt ttaataaata 60
caaggattat ttccagaacc ttgtttaaac gataatacag tctgttagta gaaaaaggaa 120
cttattatct tcaatcagta agagttatgt tgatctattc cggttcatat tctgttgatc 180
agatcttcag caactacaag aattatgcac atgcaatgaa agaataatga gtccaatttt 240
cagtttttca attcctttca cctgcacca acagttgcat cactatctca caagttccca 300
gtcctctttt gacatgtcat aaatttcaac acaaccatcc tcaaacaatga tcgagtgttt 360
tcgggaatat ttatcaaatac gtttaataat tccaaacctc tcatttcaag ttggtttatc 420

ctaataactt taccaatgca attgtgtaag cactttgggtt ggtcaaacac acgagaactt 480
ccaatttgca aaccttcatt ctgataaac 509

<210> 10178
<211> 414
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113b11d1

<400> 10178

gtattattga gcgagagaga aaggtaaaaa aaaaaaaaag attggaagag tatgagcgat 60
ttcggggaag ggaatgagct ttataaatg tctggtgctg ttgaggaatc gatccactct 120
ccttccttgc cttccttcct tcccccttca acgatgttga ttgcagcggt tctaaaactc 180
gccattacca ttagacaaga ctgcagtgtg ctgtttcggg ttgcggtaac acgcgacttc 240
cgattggtga gaatagacta ggggtttcatt ataagtgagg aacataacaa aacataacac 300
acaatgcccc gcttaaaciaa aagattttga ttttaggtta ttggtactta ctgcacaatg 360
cccaaaggca gttgatagca atagagggaa tgtccacggt aagcttgcgg aggt 414

<210> 10179
<211> 459
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113b12d1

<400> 10179

ggaaaatagt tgctatgtat taatgctttg aagtacaacg tgattcatgt ttaggcgata 60
atgtcttaca aagcaattac ttgacagcat gcattgttgg gggcgtggcg caatcaccat 120
tgcgctcttt ctacgtataa taatgagtca accgttcttt atcttgctct cctcgaaaag 180
tacgaccacc atcggaagct gatcctttcc aagcgggagt gaataacaca aaccatcacg 240
atggccatag aattcaaatt aaactaaaat cccaattat ttacacaatt acactttgtg 300
aggcttcact tgactccgta acccgaacc caacttgctg acccataata aacccaaacc 360
cgaatgggtc acctgagccc ggtaacaatc gggatatctg attcggttga aaatgccccg 420
gcccgtcgac ccgtcgggtt ctacaccac ttgtaacct 459

<210> 10180
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113c01a1

<400> 10180

cgagtaccaa aatttgactt tttattccac agcactggag gagaattggg gaaaaccccc 60
 tggcaatctg aatgcagatg gagagaatct tttggtatat gggaaacagt atggtaatgt 120
 ctttataggg tggtcagcct acatttggct atgaagggga tccaatgagg ctgcttttct 180
 ccaaactctgc cagccctcat catggatttg cagcatatta ttcctttgtt gagaaaatct 240
 tcaaagctga tgctgtactt cattttggga cacatgggtc ccttgaattc atgcctggaa 300
 aacaggtggg gatgagtgat gtctgttacc ctgacagtct gattgggaat attccaaatg 360
 tatattacta tgctgcaaac aacccttctg aggccaccat cgccaagcgc aggagttatg 420
 caaacaccat tagctatctg actcctccag cagaaaatgc tgggcta 467

<210> 10181
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113c02a1

<400> 10181

aaattatgat ttagtacttc taattgccag gcaattcaaag aaacatcggc gaacgaaagt 60
 aatatctaca ctgaaattca ttttaaggag aaatgaacaa aagagaccat ttggggtttg 120
 tctagcaaag ttgggttttg agtttaagga tttatgcccc tgctaaagag ctccctggcat 180
 aataactttg ctccatacgg gacatgagcc accacaatgt catccgcaga ttcacagggg 240
 cggcaataag gtccctcgat tttccggcca ccagagacag gccgcaagat cacatttgca 300
 acatttttgc atttgctgca catatgaatc tgagaggagt cactgagtgg aaacaggcgt 360
 tcatacaggt tggctgatgc accatgagct attaagcaat cagctccat ctcaccgaac 420
 ttgatacctc caaatcgttt tctgtcagct acaggctgtc ggggtcaaacg gtgaactgga 480
 ccaagtgttc ggaatttcac ttttgt 506

002220113c04a1

<210> 10182
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220113c04a1

<400> 10182

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ctgtagagaa gacaagggaa cttgcttgct atggcaactc tgagcaattc aactaatatc 120
ttttggcaag attgtcaagt aggaaggctt gaaaggcaga agctacttaa ccaaaggga 180
tgtgttgat ggattactgg actcagcgga tcaggaaaaa gcacattggc atgttccta 240
agcagagaac tgcactcaaa gggaaagtta tcttatgtcc ttgatggaga taaccttcgg 300
catggactaa acaaggatct tggtttcaaa gccgaagatc gcgctgaaaa tattcgaga 360
actggagaag tggcaaaact gtttgctgat gctggcttaa tatgtgttgc tagtctgata 420
tctccttaca gaagagaccg agacacttgc cgtgccatgt tacctgatgc anattttatt 480
gaggttttca tgaacatgcc tcta 504

<210> 10183
<211> 375
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113c04d1

<400> 10183

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taaaatttta tttaggaggg gggaacttta tcagccatt taccctca ccccttggt 120
cccggcctt cccaggaacc ctttttaaac ctcatataa aaaaacccc tttgggggaa 180
aaaacccct tccaaagggg gttaactta aaacccctgg ggttcaaaaa accctttatt 240
cccaaggga ggaacccctt ggccgcctt aaaagggggg ggtggacaaa cccattttc 300
cgggtttatt taaaccccc cgtttagggg ggggcaaaa ggtccacaa tggcgga 360
acccttggtt ttccc 375

<210> 10184
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113c05a1

<400> 10184

cttccacttg cacatatatt tgataggggc attgaggaga cattcatatg gcatgggtgt 60
 tcaatagggt tctggcgtgg ggatgtcaaa ttgttaattg aagatggttg cgaactaaaa 120
 ccaactatct tctgtgctgt tccccgtgtg cttgatagag tgtactcagg ttgacgcag 180
 aagatttctt ctgggggctt cttgaagaac acatta 216

<210> 10185
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113c05d1

<400> 10185

aaaaatagtt ttatatctca tgtctgcagt tgaacatcag ccatttctga ataattatat 60
 atgtaaaaat gattcatgga tactgtaata cacctagaga tagaaaaaga gaagaaagac 120
 aacttactta gataagtcgg gtagaataga taatatgacg tgaaaaaaaa aatcaaaata 180
 aatgacgtat ccatatataa ctactcagcg tatatacagt caccaaaagg aaacaattga 240
 acggagacaa acaccatcac atacagaaaa taaattatct cccaaatcag gtctcaggca 300
 ctgggtttac ttccactctt atacatgttg tcaatggcat tctgatagta tttagcaac 360
 tgtggcctct tcttcttgta tggtggagtg ataagggtcac gttccatgtc aaatggaatt 420
 gagtcaaagt gaactgcttt tataaactca aaacctttca acttcttttc cttcgcaaac 480
 tttgagagct cttcaattat gtaactcttt gctcgagcat cttcacagag agaattggag 540
 tccatggata ta 552

<210> 10186
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113c06d1

<400> 10186

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 gcgaggtaaa acaaagtaca aattcgagaa tagaggcaag tacaacttag caaagcctat 120
 tgataaaaag aactacgact gtataagcaa aactgttata ggaacccaaa ttcaagaggg 180
 aaagtcaatc acacaatttg gtagctatcc gttatcagct gtgttctctg agcaaatttg 240
 ggaggattac caccctttta tggtatgatg ttggtaacct tcaggtcact aaacgtgtca 300
 gttgccataa agcagactga aatgggaaag aatgttgatg aatctgctag tggaacaaca 360
 aactccattg acccactgcg gttggaatta tcaatcagaa ggacagacca ctccaaaatg 420
 gaattcctag agtcatacct ccattcccca tcaatctgcc taacagatgg tgcttcttga 480
 agagctggaa gaggtacaga gatcacaac 509

<210> 10187

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113c07d1

<400> 10187

gagcttcaag gacttcttca agatgaatta tataaatctg atcttttctaa agttaaaaag 60
 cactgtggct tagcactgtc aggaaagagg attagtagaa gatacatgtt ttctttcacc 120
 gtagaaatta catgatggca acttttagcta ttctcattat gtatatttac atcattgggc 180
 tgactctaag tcaactatctt cgaagtcttt cactataaca atctccgtat ttctgttttg 240
 tcgtctcact ttggcatcca cgtgatcttt tggaagcaca ttacagtcga tggatgcca 300
 tactggcttc tctcttgaa ataatgggtg cttgcatagc tgccgacatt gcactgtaag 360
 tgcatacttg caagtggaaa tctctgcgat tgaactaatc attgctctcg gttcagagca 420
 taaaacctt accttggctc ctgctggctt atttgtaaga tcacataccg tgccattagt 480
 atattgatga gcatgatacc cttgaga 507

<210> 10188

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113c08d1

<400> 10188

gattaatata tttaaatca gatttttttag ggtttaatgt gttaaataaa ttttttatgt 60
 ttttgaacta gtataaatac ccaaaaccaa acatgggtata acattcaaga aaagacacga 120
 ctacaaccca gttaaagatag gaaaacaaga agaagccaac caaagaataa gagacccaaa 180
 tggaagaacc aaaaaacaac cagaaaaggc aaaaacaata gaaaacatac aacatggcac 240
 caacagaaaag gcacgcaaag aaa 263

<210> 10189

<211> 457

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113c10d1

<400> 10189

aaaaactaat gacctcaatt aagagaaaca ggccacggga accaaaccct atgtaatgta 60
 actagattat cgcgctttac acaaagacac tgtttacagg gggaaaagat aatgtttact 120
 gtgaactgaa ttatataaaa cacctaccta gtaactaaca tatagggtcac accgaacaaa 180
 gcataagatg atggggcaaa ctggtacaaa acattgaaga cccaccaaata cgctttcttct 240
 ggtgaccata ttcttagacc ggacaattcc acaggacgct gattataccg ctccctgact 300
 ctttgtggaa cccccaaata ttctgtcctt taggggttac acacctacac ggggggtacaa 360
 gtaggcccag aatagcatgc acttataatg tctcaatggc ccaaacaccc ttaggaccag 420
 ggggtggaaga catcaaacgg gcggagcgta caggga 457

<210> 10190

<211> 380

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113c11d1

<400> 10190

acctaaaacc tttcatttca ttcaaaaaaa aaatccccgg aaaaaaactg ggggaccccc 60
 caaaagccgg tttaaccccc gaacaaaaaa aaggggcccc aagccgttta ttgcccccc 120

caaaccgggc ccccggaag ggggtgggaa aaaccccaaa ggctaacca agcccttggc 180
ccaaccccc cttttcaaaa aagccccca agcccgacc ggggtattc aacaggcaac 240
cctttcccc aaaaaaatgg caggcctcat taaacaatgg gcccgaagg ccccttttaa 300
aaaccaaggg gagggccacc cgaaccccc ctaataccct cccgcattga ggacccaca 360
cttgcccca aaggccctcc 380

<210> 10191
<211> 453
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113c12d1
<400> 10191

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ttcaatatgg ttggagaaca cttgttctat gtcatttgcc tcgattgatc agaggacacc 120
acttttttcc gtgcacgagc caatggaagg aacacgcacc aaaaacaccc ccgtttttaa 180
ataaaaaaaaa cgcgggggaa aaaaaacaaa aatctggggg gggggggggg gtttttattt 240
gtcctaaaaa aaaagggccc cccgcaaacg ggggcaaaaa aaaagccgga aggaaagggg 300
ggggccccc cttgaaaaa aacgcacgcc gagcaaaaa aaaagactgg gaggaaccg 360
cccaaaaaga aaaaaagggg gggaaaaaaa aaaaaaaaa atgtttttca ctttttcggg 420
gaggacggca acaccctcgg gtgggtaaac ttt 453

<210> 10192
<211> 177
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220113d01a1
<400> 10192

caaggatgtc atatggnatt tacttttttt caactcctca gcacatccgc atggtgtaat 60
aagaagatgg ctttcacaac tgcaccataa ttgcaagagg ttgtctaaat gccatacttt 120
tcttaggagt ggtcttgtga ccgctcttgt tcttttcaa agtttcaaatt tattatt 177

<210> 10193
 <211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113d02a1

<400> 10193

attaacgcgt gcaatggatt ttactgcat caattcaaac caaactctaa cacaaaacca 60
 aaaatatgga ctgaggggta taccggatgg tttcttgcac ttggtgatgc tgtgcctcac 120
 agaccagtgg aaagatcttg catttgctgt ggcacgcttt taccagcgag gtggaacttt 180
 tcaaaattac tatatgtacc atggagggac taattttggc cgggcttctg ggggaccttt 240
 tgttgctagt agttatgatt atgatgcacc aattgatgag tatggattta ttagacagcc 300
 taagtggggc caccttaaag acgtgcataa ggccataaaa ctttgtgaag aagcactgat 360
 agctactgat ccaacaatta catctcttgg accaaatata gaggctgcag ttacaagac 420
 aggagttgta tgtgctgcct tccttgctaa cattgccaca tctgatgcaa cagtgcctt 480
 catgga 486

<210> 10194
 <211> 510
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113d03a1

<400> 10194

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 cctcacaact accaatggcc gaagagaaac accacaagca ccgcctcttc caccaccaca 120
 aggacgagga taataagcca gtagaaaccg atactgggta cgacaacaca tcatattcca 180
 agccttctga tgactatgac tctgggttca acaagccatc gtatgagtct tctggcgggtg 240
 gctatgaagg tgggttacaac aaaacatctt attctagtga tgagccagct tctgggtgggtg 300
 gctatgaagg tgggttacaag aaaacaggtt attctgggtg cattgatgag acttctgggtg 360
 gctatggcgc tgggtgggtg ggatactctg acgtcactga tgggtggctac ggcaaaccac 420
 tgggtgggta tggcgcccct ggtgggtgggt ggtgtgtacc ctgacactac cactgatggt 480

gggtacagca aaacaagtgg tgggtgggtat

510

<210> 10195
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113d03d1

<400> 10195

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gcatatatag agcaacacat ttcaaggaaa cattctccaa accatactga tctcccaaaa 120
taaactggaa gatgattaac ttaaagacac acatatatat ataagccaaa agcatatata 180
tatataagac aagtagaagg aatatgctca taattggttg cttatgcttc agccaaagag 240
atggtggtgc ttctttccat gagcttcttc atcttgctcc tttgcttct ttttctcatg 300
atgttcatgg aaggcaaacc caccagatcc cactgcagct gctgctgcaa cctcctcttc 360
tatcttgtgc ctgtgagcat gctctgggtc tttctctgcc ttgcgcttct catgcaaggc 420
gtaagcagca gcagatgcag cacctaactc accaagggtgc tcaagatgct tgtggtgctt 480
ctcttccttt tatagcaacc tcattcattat cccaccacca cttgttt 527

<210> 10196
<211> 571
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113d04a1

<400> 10196

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actcttcagc aattccatta actcaactaa ttctctgttt atcacccatg ccgagatcga 120
atcggaattc ttccaccacc accccacggt ggcgcgcctc aacaacggcg ccttcgggtg 180
ctgcccggct tccgtgatcg ccgtgcagcg cgagtggcag atgaagaacc tccggcaacc 240
ggaccacttc tacttcaacy acctcaagaa gggactcctt cactcccgca ccatcatcaa 300
gaacctcgtc aacgccgaac acgtggacga gatctcctc gtcgacaacg cctccaccgg 360
caccggcatc gtctccagc aagccgcctg ggccttccag gaagcaaat tccagaaagg 420

0953113-03200

cgacgtgggc ctctgtgtcc actacgccta cggcgccgtc aagaaagcca tcgaggccta 480
 cgtgggtgcgc gccggaggca cgtttatcga agtccccctc cccctttcccg tcaccttcaa 540
 cgacgacgta gtcaacgaat tcccgaagc c 571

<210> 10197
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113d04d1
 <400> 10197

aggtcaaaac agagtatctg atgaaaaagt tagaagtgtc aacagggaat taattccaaa 60
 taatagatac acacagcatc taatgagata gaatggtttg caaatttcca attatacacc 120
 caaaatagtg taaacctatg gatatcatga gtgtttatgt gtgcttcagc agcaatgttg 180
 taaaatatca aagaagcaac caccagacca ctacagtact gatgggtgcaa tattgcagaa 240
 acgagtagtg aaaatgttaa acaacaaatg tccactcaa tacttggata tatagacaat 300
 gaaattttca acagaccggg caaaatagcg caatcagcaa agtgcaaact caacatttgc 360
 aaatagtatc ccacatataa aatggacgaa tatgttattg aagagttaat taaaactaag 420
 agcagagcat aggctacccc aatttaagcc gaaagagagc acagt 465

<210> 10198
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113d05a1
 <400> 10198

ttcagaaatt tatccagttc cagcttacag ttaatgttgc tgctcttgta ataaatgttg 60
 tggcagcaat aacttctggt gatgttcctt taaatgcagt gcagcttttg tgggttaacc 120
 ttatcatgga tacacttggg gcgcttgac tggctactga accaccaaca gaccgcctaa 180
 tgcacagatc accagttggc cgaagagaac ctcttataac aaatatcatg tggagaaaact 240
 tgatcgtaca ggctgcctat caaatcgcag ttctcctcgt ccttaacttt tgtggtgaaa 300
 gtattctacc aaaacaaaat accagagctg atgcctttca agtgaagaat actttaatat 360

tcaacgcgtt cgtcctgtgc caaatattca atgaattcaa tgctcggaaa cccgatgaaa 420
tgaatgtttt ccgtaggagtg accaagaaca aacttttcgt gggaattggt ggagtgcact 480
ttatacttca gataatcatc atcgagttcc ttggaaagtt caccttaacg gtgaggctag 540
actggaagct atggcttgct tctcttggtt ttgga 575

<210> 10199
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220113d05d1

<400> 10199

aaaaaatcag tttgatagta tttctaaagt gacaaggaac aactttaaca atatcttgta 60
atgttacaat gtacatttga accaaaattt ttttttaaaa tgaaatgatg ttaaaagtaa 120
aaggaatcac gtaatgattg ctttatgttt aaaccctttg ggatttattg aataatatac 180
attacattcg aattctaaaa ggatagttcg gcaatatgga gcagtaataa tatatactag 240
tatattgtaa cctgtaaggc gtttagcttaa tatgcatggc tggttatcca cgcgatgcct 300
attgtgtagc acgagaccta aaccttttta atcgctgag tggcttcaag aagttacgag 360
ccaatggtgt tttgggaact ggaataaatt ttccgacttt atcaaggggc caactgacaa 420
atccattacc aagagaagca ag 442

<210> 10200
<211> 504
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220113d06d1

<400> 10200

gagtcagcaa gagtaaatac catacaataa tgttgaaaaa ggttcacttt acaagttggg 60
aaaacatctc ccatgattat cctatgatgt catgattaaa agaaatcaga gttcaatttc 120
aacatttcct atatatcaag acaatttcct cgtggagaca cccaatctca tccctacaga 180
aaccaaggtc tccagtgatc tggcgctatt tgctaaaagg tcttcatcaa ttgcaattga 240
attctcttca aaaacgcaaa ttacagtgtc tccaccgaat gagaaatata caaactcatc 300

002220 577550

tccctttctta acatagtcgc cctttttctt tgtaaaagta atgctaccaa ccattgtagc 360
 tccaattgca acaaagcca cctttccaaa atctacagtt gaaactattg aaacaactct 420
 cttgtttctcc gtgaagacat tgcagtactt gctatttaca gcaatgggat tgacagtata 480
 caagcatcca gggatatcta caga 504

<210> 10201
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220113d07d1
 <400> 10201

ataagaaaat atatcaaatt ctacattgat aaaccaggag acagtatttt ctataagtag 60
 caccctaaa gaaaatccag aattaaagcc aacttaacaa aaccagcatc caccatatat 120
 aattcagaaa caaatgcaaa gctaacaaat agaacctaag cctcgggtggg aggataactca 180
 aacacaatat ctttgcccga aagtttctctg tatactgcag caaaagtctc caatttgtag 240
 tcgggtgtgt ttcgctcctt ggggtccaaa aagaccttca taatcttgga accatcaatt 300
 ttatacctaa cacgctttcc aacaatctca gcaggcaata caatatcttc cagcattgcc 360
 tcgtgtacag cagtgagtgt tcgggtgcgg ggacgctgaa cagcagaacc tttctttggg 420
 ggcctcaata tcctccgggt ggcaatcagg attacatcct ttccactaaa ctttttctca 480
 agttctctca caagcctgac atgaatcttc cggaatcctt tncttaatct gtangggaca 540
 tggataacca ca 552

<210> 10202
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113d09d1
 <400> 10202

gttatattaa ttttttatta gttttgatag cttttattat ctcttcaaac aatttgggta 60
 taacataaat atagagcact agctataacc agccaaaaat gccacgacg aacggggaca 120
 acacagaaga agaagacaac tgcaagaaaa aaaggggacc cgaaaagcga aaagaaaggc 180

catttcctgc acaaaggcac caacagaagg gcaagagaag aaaaggctat aaaagacaac 240
 gatgacaaga agaaccacaac gagcaactga accataagca tagaaaaagc cataactaaga 300
 aaacca 306

<210> 10203
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113d11d1
 <400> 10203

tcctttttct tttttttttc ttatcttttt aatttttttt tctaattcaa gcaacaaagg 60
 ataactggta tatataacaa caaattaaaa ttttaattcca ttgtatcaaa gctcagacta 120
 cctataaaact gtaattatta tgcctaatat taagacaaaa tcctgcattt tatattcaag 180
 gcaagtcttt tcctatgctt acatgactag gggacctacc ccgggctggt tccctttcat 240
 ctcggttcgg acttggactt ccgctttgac tctgggccct ttgctggact ttgactacga 300
 ctcttgagc cctcattata aggaggagat cgtgagtttg acctctttct acaatgctgt 360
 gaaaatgatc ttttttgact gttccttcta tccttagggg agacagaatt tgaatacttc 420
 ct 422

<210> 10204
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113d12d1
 <400> 10204

gtgtattctg ttgtcttttt ttttagttta tttgttggtc ttgtttagc caaaaaaaca 60
 aaactttttt gccttgggac ccataggggg cccttggggt tggccgactc caaaacggtc 120
 ttcttccctt ttacgacatg ggggaccccc cctaccacaa aggggccgcc ataaaaagcc 180
 ttttatatca ggagagtctc tcccacaaac tcaataagaa caggaagccc ccgttttggg 240
 cccccaggt caaaaaaat atggggcaaa tgtggttttg ccgcattttt gagagagccc 300
 cccttgga aaacgcacc cgctcattct tcccccggtg ttaggcccc tttcttccc 359

0953113.032200

<210> 10205
<211> 552
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220113e01a1

<400> 10205

aaaatgctca agatccccgt tcaccagggt gccgggcaca aggccaagga cggaatcctg 60
ggcccactcg tcgacgattt tggaaaattc tacaagcccc tccagaccaa caaagacgac 120
gacacccgcg gctccaccga actctccttt tacacctctc tcgccgccgc cgcccacgac 180
tactccatcc gctccttctt ccccgccctt cacggcaccc gctccttgga cgctccgac 240
ggctccggtc cccaccctca cctggctctg gaggacctcc tctgcggtta ctccaaaccc 300
tccgtcatgg acgtaaagat cggctccaga acctggcacc tgggagactc cgaggactac 360
atctgcaagt gcctgaagaa ggacagagag tcctctagct tgcccttggg ttccagaatc 420
ttcggagtca aggactctat ctctcctgga gaacctacca ggaaatctct ncagtgtcta 480
tcccgcaatg gtgttgcaat ttgttctcaa cagtttcggt tcctcttata atatcaacca 540
tgatgatcat ca 552

<210> 10206
<211> 464
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113e02a1

<400> 10206

tcggttgaga atgcttacct tgaagataga gcgagatata aatgggatgc tgcagtgcc 60
tccttaccca catgagtatg tagacacatc caagccatgt gcacattctg catttttcat 120
gggcttgga agggaaagag ggagtaagag gtcaagaggg gcagcaattt gatatactg 180
gaacagttga tgaattcaga caagaaataa atatgtacat gtactggaag ccagggatgg 240
atatTTTTgt ttctcatggt cgtcgaaagc aactccctgc atttgTTTT cctgatgggt 300
acaaacgcac tcgaatgcc aagcatataa gccatcaagc tgaaataaca ggtgatgatg 360

ccacaaactg ctactctggg cctggattgt ctgaaagatg catcaagagg aaaaattact 420
ctgaaatggt ggataagaag ccagacaaac cagataagcg ggca 464

<210> 10207
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220113e03a1

<400> 10207

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tggaatggt tcggaagctg aaagaatggt gaatgaaatg attgagtctg gctctcagcc 120
tactattttt gttctgacat cacttgtcca gtgctatggg aagggtgggc gtactgatga 180
tggtgtgaaa acatttaatc aactcttggg tttgggcac agtccagacg accgtttctg 240
tggttgtctt ctgaatgtta tgacccaaac accaaaagaa gagcttggta agctaaacga 300
ttgtgtgaag aaggctaate caaagcttgg gtccgtggta agatatttgg tgagagggct 360
tggggagggg ggttngaga tttaaaaaaa gaagcatctg aactctttaa ttcaattgct 420
gatgaagtaa agaagccctt ttgcaattct ctgattgac tttgtgtcaa cctgaatttg 480
ttggacaaag catgtgagct tctagacctg g 511

<210> 10208
<211> 593
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220113e03d1

<400> 10208

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aatgcataaa aactgcatgg catatcattc cctgaaatta cattatcaat ggagaaaagc 120
tggttgaata cctaaaacca taaagagata agaaattatg ctgttacc aa ttcccagagac 180
tccagccatg acttggctgc tacctgtgta gtcaaaaacc agccagcctt atccggagcc 240
tcatggaatg gagcattgag ttogttcaaa tgtgattcaa ctacacttgc caaacctttg 300
tccgaatacc tgtgtttccc atgaccagta ttaattccaa gcagcggtgg aagatcctct 360

cctgattcca aagtcttgga caagtcattt atccaagcat gtaatgcagt cagcgaagct 420
 ccaagcgaga gactcttttag atgtagagac cactgagttt gagacttgga ctgtacatcc 480
 gtatatattt caaggggtcaa cccaggtct agaagctcac atgctttgtc caacaaattc 540
 aggttgacac aaagatcaat cagagaattg caaagggtt ctttacttca tca 593

<210> 10209
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e06d1

<400> 10209
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 aaaaaaaga cgggtacaat aagaatgctt cccctcactc atacatgtta gattcatcat 120
 cattagaaaa ataaaaataa aatgtaacct tgccaaactc tcgcatttta aggcccacca 180
 accaattacc ctgagcctcg tgtggacatc caccagcata cctcgatctt caaaatcggt 240
 cacactccct ttccctcttt ccaactctta aaaaatgaga gcacccacct cactcaacaa 300
 gaatgtatct gccaatacat ttggtaatag tgtcatgtgc aggaagcttg tcatgtcagt 360
 gtatcttgct tgtcatgtca gtgtaatgtt cctctgggtg agttacatat gtacatgaca 420
 ttgcaaaag agaaaaagag ctctaagtga cgccttgaga aacacaccaa ggcagtggca 480
 cagccaaata ttctactatt tggcagaaga a 511

<210> 10210
 <211> 567
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e07d1

<400> 10210
 aaaaagaact ctcatactct atttcttctt ttttgtttca ctgtatacta ttctactagc 60
 agggtcctat taaacaacag gaagttcatc tttggtatct tcattttctc ctcatgtca 120
 gaaattatat ccagcatgat tatttcaacta gttcttagta aagagtctat gctttgcctg 180
 tatattagta gcttttttct gatagagctt tccaattaac caaaaggaaa atctccttat 240

ctaacagcca ccttcgccta attttaacac tcatgcccct aaagagatat atttaaagca 300
 cattttttgt ctcatcactt tcatattcca aatcctgcaa tatcataatt cttaattcta 360
 aacataactc atggagctcc aacacatccc ccagcattca agtcaagtgg ctgagtaatg 420
 aataatgctt ttgacgtata tgttgagaa tatttgatca cagtttcaat ttcattgtact 480
 tctcatagaa gtcttgatc tctcttagt gacgccttca tcatattctc cagcactttc 540
 ttccaccag cgaacgtaaa atgcac 567

<210> 10211
 <211> 89
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113e08d1
 <400> 10211

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 tacttacacc aaactttttt aactattct 89

<210> 10212
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113e09d1
 <400> 10212

acgttctatt atatatatat ctatctatat tctatatata gatatttg ttagggatc 60
 aagttttaat ctgaaataaa taagaattgc tgcttctaact attataata attactacaa 120
 attctaataa ttactacaaa agggatatat gttagataaa atagattaat taatctattt 180
 cacaaaaaaaa taatggatcc atagcacagt ttcgtcttat aatacctcgg gggctaata 240
 actatttttag tgaaatttaa ctgtctcaat tcccgggcga ttgccccaaa gattcgagtt 300
 ctttttgaa ttccttcttg atcaatgaca actgcagcat tatcatcata ctgaattatt 360
 ataccgttgc tacgtttgag ttctttacaa gtacgtacaa ttacagctct gatcacttct 420
 gaactttcta aagtcgtatt tgggactgct tgtttgatta ccgcaa 466

<210> 10213
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e10d1

<400> 10213

aaaccagaat ttttgtaaac aaaatatttatt ggtccaatta taaatcgagt atgataaaac 60
 tacatagaac tagaatccac aaagaatatc aacagtcagc aatacactgc atggattttct 120
 tattttataa ccgaaacata tgcttttaggc agcaggattt gattggttgg attcttgctg 180
 ttgtttccac tggctctgggg taacagcttt cttaatagag agagcatgga tttgtttcat 240
 ttctctctct aaggcagcat tcaccattcg atgcctctca agtagccttt tgccttcaaa 300
 ttgttctgat acaatctcca ccacaaaact tgcaccgcac cctccagatg tatcaaccac 360
 ttcaagatga gaagggttca gtttggcctt caaggatgat tcaacttctg tcttcgtcac 420
 gcccatctct cttctctcag tcttcttttt cgcccttta 459

<210> 10214
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e11d1

<400> 10214

gcatatatca catgtctctt ttctcattaa ttatatcatc acacatatca ttacactcta 60
 ctagaaagcc acacagctct ggtaaagcta tgttcttaat tctatcaca aatcatatat 120
 agatccttaa aggatcataa cactagtttg gtccccaact tcccataacc tataatagct 180
 agaagtacaa agtācatcaa gaatatctac taccttttga acaccatcta cctcacaatt 240
 tcccttgtgg cctccaaagg aaaaactcac gagaggaaga gatttaatca aacacactta 300
 tccttattgt tcaaccatgc caaacctaa gaaaaccaa ggaaacaaat ctctattatga 360
 gacaattaag gttaaaataa agttaatttt atttactgct gcaacctttt cttcttcac 420
 ttcttcagga atcacctcct tcttgcagca gtctctcctt gagcattgaa gtaaactgca 480
 gcaactggta ggccaaggcc attctcttct gagaacctcc tt 522

<210> 10215
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113e12d1

<400> 10215

tcgctctgag atcatattaa ataccgcgtc atcatttttaa aacaacaatt cactaagctt 60
 atatcaggac atcattggat tctcctgtt gtctttctct gacacagcta ctgttgccaa 120
 ctgcacacca gtgtctcaga ataatgcgat cacttgtggg aagtacataa gtccttttc 180
 tttagtggga ggaaaccgaa ggtgatcatt ttttgacgt cacttggagc ccaatagccc 240
 tactataaga taccgcgatt gcatgagcca tgagtgaac tatgtcg 287

<210> 10216
 <211> 574
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113f01a1

<400> 10216

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 acccaacttc attggttctt tctattccaa aactaaggct atggtcgaag agctcttgaa 180
 agaatatgac aatgtgtgca ccctcagggt tcgcatgcca atttcactctg acttgagcaa 240
 tccgcgcaat ttcacacca agatttctcg ttataacaaa gtagtcaaca ttccaaacag 300
 catgaccatt ttggatgaac ttctgccgat ttcaattgag atggcaaagc gaaacttgag 360
 gggcatctgg aacttcacaa atcctggggc cgtgagccac aatgagattc tcgagatgta 420
 cagggattac attgatccaa gcttcaagt gactaacttc aatcttgaag agcaagccaa 480
 ggtgataatt gctccacgga gcaacaatga gatggatgca tccaaactga agaacgagtt 540
 ccctgagctt ctttccatca aggaatcact gatc 574

<210> 10217
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220113f02a1

<400> 10217

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 cgttggcaaa gagatcgtag atctgtgctt ggatcgcgtc cgaaagctcg cagacaactg 120
 cactggtctg cagggcttcc tcgtcttcaa cgctgtcggc ggtggcaccg gttccggtct 180
 cggatctctc ttgtagagc gtctctccgt cgattacggc aaaaagtcca aattaggggt 240
 caccatttac ccttccctc aggtttcaac cgcagtcgtg gagccctaca acagcgtcct 300
 ctccaccac tcccttctgg aacacaccga cgtggtggtt ctcttgaca acgaagccat 360
 ctacgacatc tgagngagat ctctcgacat cgagaggccc acctacacca acctcaacag 420
 gctcatttcg cagatcattt cgtcgtaac cacttctttg aggtttgatg gcgctatcaa 480
 tgtggatatt actgagtttc a 501

<210> 10218
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220113f02d1

<400> 10218

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 catggacaat tctgaaaaca tgacagaggt cgcaaacaac aggtcctaaa ccacaaaaat 120
 agaagcataa tgatgatatt acttcacagt ttgaataatg gagaactata tcacacagga 180
 gtaaaaacaa aaaggaacga acaatactgg ttcagggtaa tgtaacgaag catataccct 240
 ttttactcga aacaattaca ttgataataa aaccttcatt tatgaatagt cctctccttc 300
 ctcatcatct tccgctcctt cagccccaac ctctcatag tccttctcaa gagcagcaag 360
 atcctcacga gcttcagaga actctccttc ttccataccc tnaccaacat accagtgaac 420
 aaaggccctc ttggcatata tcagatcaaa tttgtggtca atgcgagaga a 471

<210> 10219
 <211> 292

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113f03a1

<400> 10219

cttcctcttc acaggattaa aggaactcca aatggggagg aaaggggggtt ggttttctgc 60
 agtgaagaga gtttttggtt ctgattccaa aaaggaacag aaacaccatc atcatcatca 120
 tcatcataag tcaaagtttag gatgttttgg gactcatcac tatgaggatc tagaaggagc 180
 accaattgcc gttgttcctt cacttccacc aagaaaagat cccaaaccaa taagtgaggc 240
 agagaataat gaacagagca ggcaagcctt ttctttgggtt ttggctactg ct 292

<210> 10220
 <211> 593
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220113f03d1

<400> 10220

gaataattga taaatacttt acaaacagaa taattaatga gtaattacat aaagaatata 60
 tattgtcatc aaactagtat ccccccaaa accaatcttg ttataacatc acaaatagca 120
 ctactataac cagttaagaa gtaaaagaag aagttgccta cattgattat gaagacaact 180
 gtaggaataa aatgattact tgatcagcca aattttattc catttcctcc cccatggcac 240
 caacagtatg gcttgtgaag aaaagttgat agagacaact ataaaaagat gataccatct 300
 tttatttgat tcatcttcat tcatatttct attctaagta caccaatggc acgcatgagc 360
 atgatgcac cctacctgct cctccattt ctcatctca ctttctctc agggatggta 420
 gcattagcaa cactcttggtt ggaagccaca tttcccggtc tagttgaaac agcatacctt 480
 cttgtaccgg ctggagaagc agggaaagaa agcctcttct ttatgagagc agaagctgct 540
 ttttcaggtg ttccattact atgttcgcca accaatgcac ttctcacttt gga 593

<210> 10221
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220113f04a1

<400> 10221

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ctttggtttc aaccattttt gtcttgcttc tgcttctggg ggccactgag atgatggggc  120
caacaatggt ggcagaagca agaacttggt agtctcagag ccaccgtttc aagggggccat  180
gtttgagtga caccaactgt ggctctgttt gccgaaccga acgtttcact ggaggacact  240
gccgtggctt ccgtcgcaga tgcttctgca ccaaacattg ttaattttaa aaaattaatt  300
aagagtgctt tgatagaaga tgatagatct atcatctttc tactcgtggt gttaattaac  360
cactttgtgt ttgagaataa gggttaccca ttctactatg ggtttctttg tttgcctctt  420
attttatcta gttagagatc cttttatgaa acgagtgatc agtgtgaagg attatgtatc  480
tgtgttggtg attaataatta ttctagtaaa ttttattccg tcngnacttt ttatattctg  540
ttttggttgg gtcgcagata aaaggatnta ttatgtacat nct                        583
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<210> 10222

<211> 596

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113f04d1

<400> 10222

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aggatgtagc ataataaaat ccttttatct gccgaacaaa caaaaacaga atataaaaag   60
tcacgacgga ataaaattta ctagaataat attaaattaa caacacagat aacataattc  120
cttcacactg atcactcgtt tcataaaagg atctctaact agataaaata agaggcaaac  180
aaagaaaccc atagtagaat gggtaaccct tattctcaaa cacaaagtgg ttaattaaca  240
acacgagtag aaagatgata gatctatcat cttctatcaa agcactctta attaattttt  300
taaaattaac aatgttttgg gcagaagcat ctgcgacgga agccacggca gtgtcctcca  360
gtgaaacgtt cggttcggca aacagagcca cagttgggtg cactcaaaca tggccccttg  420
aaacggtggc tctgagactc acaagttctt gcttctgcc aattgttgg ccccatcatc  480
tcagtggcca ccagaagcag aagcacgaca aaaatgggtg aaaccaagg cactgagcga  540
gacatgtgtg agagtacaca gtttcaagaa agactgaaca agccggagct cgagct      596
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<210> 10223
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113f05d1

<400> 10223

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 attctaggct tacaacaatt accattagga agggaaaaaa agagagtttc aaaaaccatc 120
 gagtattggg gatcaaaaaa aaaaccaagg gaaaaaccgt aaagggcaac ccgggggggg 180
 gggggggttcc ctggtaaata taccggataa aaaattaacc caccttcaac atgcaaaaagc 240
 atttcaaatt ttcaccccaa ttttggaaaca ttaactttat acccaaattg ggatttaaaa 300
 ggttcatatt gaagcttcaa tttccaggaa acccatcaaa attggaaatt tgaggggactc 360
 tttacaaggc tattcccttt ttttttaaag aagtcaccct tacttaaaca 410

<210> 10224
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113f06d1

<400> 10224

acaacaatta attgtttttt tttttgtaca aacaattatt tatagctata catacaggat 60
 attcttcatg tcacaatgaa aaagtacagg atatgtaatc aattaatatt ggtataatcc 120
 tatctactat ctataatcga atcatcgatc ggatccagct atagctcctt cgttccgtcg 180
 acaaaaggaa tgcagacagt ggacaaggga agacgaaagt acagcaattt gtgtaccctc 240
 gaaagcacc aacacaaact acatgacaat ttcatttttc tatattttat caacaacttg 300
 ttatccattt tttggaaatc aattccgccc cacaacacaa cacatccgtt ttgtttcata 360
 aacctgcac aaagggtagc ccaactcccag gaatccacga gccccagcc aagaaacttc 420
 caacggtgaa ttttacagcc tcagtactgg agatcacgag aaacccttt 469

<210> 10225
 <211> 268
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113f08d1

<400> 10225

gatgtaaact atgacgaccc cacaaacttg gaaaaggtag atgatcactg gctcgaaaat 60
 gttgagtcca acggaagaat gaaatggcta cggtatacag tactcacaag agaaacgctt 120
 ttccggcaaga acaataaata atggatgtta cactttaagc acctaccta tccaggacat 180
 ggtacacacc agaaaaatgt gattttttct ggtaaactat gtgctgcttg aagtaggaag 240
 ctgtatgcat acttcttatt ttcttatt 268

<210> 10226

<211> 393

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113f09d1

<400> 10226

aggtaaatat gattcaatga aggctctttt catcattttt caacctaaaa gaaaaagaaa 60
 aaaaatgcta tctttctggg tgctaatacct tacctagtga aaagggtcat gtgggtacca 120
 tgtagcccat tcattcttga gatatttcac cctttttttt catttttatt ttctccctaa 180
 cctttttttt ttcttttctt tatgggactc gtataattgg tggcttttta tcaactgaaat 240
 tgaagatatt gggggctcat gagtggctgc ttgaacctga aggtcccttg gggattcttg 300
 gtctggaggt tgggtgttggg gaaattgcca gagggaccct gatatttctt taacgggtat 360
 aataacatgt tggcctcatg atccctgttt gga 393

<210> 10227

<211> 546

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113f10d1

<400> 10227

acgattgaaa caccattgta ttaggttcca aactgggtgaa gaaaaatcca gtagtacaac 60
 ttgaaatgac caaaagtaaa aagaaaagga aaaacttaca actgaaacaa caaacaaaat 120

ttgtgaaaga aatttgactg aatattcttt gcatgggtta tactattgta tagcattaaa 180
gctatcaaac tggattgttc ttcaccaggt gtatattgca atatgtgtta tgtttcaatc 240
tctataataa cttaaaattc attgtaattc ctctgaagga cattggatca actctaatat 300
gttgattacc ttagccatat caggacggtt tgagggcact tgtgatgcac aaaccaaccc 360
caattttatc acaggaattg ctttatctgc agcaaaatta cccttaagct tctaataaac 420
acattgctcc actttgtcat cattcaatgc acttattacc ttgtaccaag aacacaacat 480
atcctccgtg tattcaaagg cttttcctgt tccacctcaa attaaaattc aaactataat 540
ggacac 546

<210> 10228
<211> 526
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113f11d1
<400> 10228

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gcattgggtta agcatatata taagtatagc gacacaaaag agcatatata attatgatat 120
tatcaaataa aaaacttttag aaaaatatat aaatttaaat aaatcacaaa tgaattcagt 180
aaaaataaat taggcccata gaggaatata aacacatata actttgattg acattaattc 240
tctgagcaac aatgtcaaat agtcaatatt aaagctagta gtagatgcaa attatgcaat 300
gtaaattatc attgtttaga aacatattat cattagttag atctgatttc attacctatg 360
aatacattgt atactcataa ttaatatcga gaaacttaaa gagtgccaat atttttcttc 420
acaaattatg aaatacatgt tacatacaaa gttgtagaat aatcaagtta attattaaat 480
tcatgatcat aaattgaaaa atggtagaaa cttgaactta catgat 526

<210> 10229
<211> 565
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220113g01a1
<400> 10229

cctatatgat tgcatacctg tggcatgtgc atatttattt ctaccaactg caacgcctat 120
 gtgaccaaag cacaacaac cacactacta caagacaata acatgggatt aatgcatgcc 180
 tttatttttaa gagccatgag attggactct aattgattaa accatatact ctaatatatt 240
 ttggcatgag tggatgcatg ggagttcgta acagctacac tagatcaatc catttcccga 300
 atgacgatgc tccttgtggg gaggggtata gtgaccatc 339

<210> 10232
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113g03a1

<400> 10232

gttgctttcc attttggcta taatttcaca aaatgtgcca ttcattgcaa gtgtaatatt 60
 actagcattt ccatatatca gtccatggcc tccttaatgc tcaatggagc tcatcaaaat 120
 ccaaacctca ttagtggcat agctccaaat ggccttaact ttcacaacaa gtgtttattc 180
 caaaaggggtg tgctgtctca tggtaacaag ttaaggggtg tcagaaaaaa cttcactccc 240
 aaaggcagca tgcagcatc atcatcatca tcatctagge ctggttctca gccaaagggtc 300
 atccagcaca agaagggagg catttggttc tacagggttc tctctattgt gtatgaccac 360
 atcataaacc cggggcactg gaccgaagac atgagagacg aggcactgga gcctgctgat 420
 ctctacaacc gcaacctgag agtgggtgat gttggagggtg gaactggctt caccactctt 480
 ggtatagtga agcatg 496

<210> 10233
 <211> 447
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113g03d1

<400> 10233

gccaaagggtg aataaattaa aaatgtattt ggggattaaa aaagcctatt ccaattcagt 60
 taaaacttgc caccaacgca cattttccaa ttaaagctaa aacaaacctt tttgaatgtt 120
 gtcattgggtta ccttggcttg tccatttggg cccaagcaaa gcaaaagaag cccaacattt 180

tgatgatcct gccctggttc attgaaccat tggctgcaa cacacattct atatttcttt 240
 gccaagcaa caatgaccaa ttcaaacct agtgaagcta gtaatggccc aaaactaagc 300
 taatggtttt gaagcatttc atccctaagt aactctttcc tactatgttg gcccaatgga 360
 aagattccag attgaattat tacccttcac aaacaggcgt ttaaagatgt gttgcgggaa 420
 aacttgacct tctacccga gttactt 447

<210> 10234
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113g04a1

<400> 10234

gcagaaagca agctcatcct agagttttaa aaatggcagc agcctcctcc atggctctct 60
 cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120
 gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagggcc 180
 cagaccgct caagtacttg ggccattct ctggcgagcc cccgtcctac ctactggcg 240
 agttcccagg tgactacggc tgggacactg ctgggctttc ggccgaccca gaaaccttcg 300
 ccagaaaccg tgagctcgaa gtgatccact ccaggtagggc catgctcggg gccttgggct 360
 gcgtcttccc cgaactgttg tcccgaacg gggtaagtt tggagaagct gtgtggttca 420
 aggcggggtc ccagatcttc acgagggtgg gctggactac ttgggcaacc caagccttgt 480
 ccacgcccga agcatcctcg ccactctg 508

<210> 10235
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113g04d1

<400> 10235

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 gtacattgca ataacatata cttcaccaaa cacaatcta aaaacttca aaagtccaca 120
 agtcatcctt ttctttcatg ctacttgcc ggggacgaag ttggtggcgt aggccaggc 180

attgttggtg actgggtccg caaggtgatc agcaagggtc tccaatggac ccttaccggt 240
gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag 300
ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
gctgccacca gggtagattg ggtcagtgc ctcaccgagg ggcccaccag caatacgata 420
acccttaaca gcaccatta ggataacttg ggtggcccag atggcgagga tgctctgggc 480
gtggacaagg cttgggttgc ccaagtagtc cagcccaccc tcgctgaaga tctgggaccc 540
ggccttgaac cacaca 556

<210> 10236
<211> 570
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113g05d1
<400> 10236

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aaciaattac atggcacaat aaactgcaag ttacacgaag aattacactc ttcaataagt 120
tctccattcc gtgcgctatt ataatatccc acttacataa tcaacgtcac tcgatcacct 180
tcacttcact tcacttcact tgggtatacca attcaciaag atattagcct tgaaatggaa 240
aaaaaagggt attaagtatt aacccataaa ggaggaggac atagaaaaat aaaatacaga 300
ataaacaact ttagagagaa agatgatgat gaagatgatt aatatctctc tctaagtagt 360
agagttagtt gttgtctttg gcatgatctt ttgcaatatt atcgttttca acttctcctc 420
cttcctggtt aatagcagaa gaaacgtagc tcagcaccaa agaattatcg tcggggctgg 480
tggtggttgc atttcgagct tggaactgtt gtttgcaaag tggcaagtga tttggagcat 540
ggtggagttg atttgcttca ttgcatgttc 570

<210> 10237
<211> 449
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220113g08d1
<400> 10237

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 tatgcctgtc ggcaaataaa tatataatgt aaaaaaaaaa aaccacaaat aaagatctaa 120
 aaaattgaca ctattatata catctcaata tcaatcatca catatcaccc tgatcggtat 180
 gatccaccgg agttgttgta cgccccctcc gtcgagattg ccggtggtga ctgccgcaa 240
 atttcaacct tccggtctcc ttaaaccctt gtttctcgga ggttacaatg acacactcgg 300
 gttgtggcac agggtagctt aaagtatcat agcaatatga atagtacatg taacgctgac 360
 ggaaccgccg catggtgagg cggcgcatgg gggtcacgcc ggcatagtct tgagcctcga 420
 gatcggcgtg ttggtcggag caagacttg 449

<210> 10238
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113g09d1
 <400> 10238

attcaggaaa agtacttact acataatcaa attgttcatt acatttatct ttaccacaag 60
 tagcatcact tgctgctctt tgcttaattt taaccgcaca aggcagcttg caaagatggg 120
 atccatgctt acacgaataa tgaaaacaga gaagttgaac agagttctgc aaaatactga 180
 aaacaaaagt ttccatacct tttcttcatt ttggcacaat agcattccgt tgatctgagt 240
 cattaaccag taagtttaat ttgttcaagt ggcaaagtaa tcccatccca atatagatag 300
 cggaagttat aaaataactg ctgaataggt ttcaacaaa taagataaga tcgttggtga 360
 gtccccagat tgaaatccag tattgtgatc aatgaagtaa ggaacctttt tagatccaga 420
 agcatccaag agtaacttca ttcgaggaga cccttctcct acattttgaa gaatgt 476

<210> 10239
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113g10d1
 <400> 10239

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cctcgaaagt gaattaggaa gaaaacacaa ggaaggaaaa ccatacacag aagaagattc 120
 cagagaaatt caataatata caatcctttt ttttttattt tcattttccc ccctctagta 180
 gtcagtggcg ggaagctgct cgtgggtgtg gctgataaag acagcctcgt aaacaaggcc 240
 agcgaatcca ccaccgatga gaggcccggc ccagtagatc cagtggttgg tccagggcca 300
 gctcacgaca gcaggcccaa atgtcacatc ggggttcaag gccgatccag agaatgcccc 360
 acccaacaaa atgttaacgc cgacaatgaa accaatggcg atgggagcaa taattcccaa 420
 attacccttc ttgggggtcaa tggca 445

<210> 10240
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113g11d1
 <400> 10240

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 atatagcaac tattgtcaaa atcaaggcaa tagctgttgt tgggtgtggga gatacaacag 120
 gtaaataaaa taatctacat gtaaaattct aaatagacga gggtttagat gaactccaat 180
 aattacatta acttacaat atggattact aaaagaacac aaatggcgag tacattcacg 240
 taggccagca aactagttaa tgggggtatg tgcaaaatcg agctaaatta acaacgcata 300
 gggaagagta agagatgctg cttgcctatg cttcaaaaga aaataaaaagt gtcctataaa 360
 gttagctctc taaactttgg tcagcctctg gtccttgga ttgaatggct cctccattca 420
 ttcttgcacg tgcctctgca aacattctt 449

<210> 10241
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113g12d1
 <400> 10241

caatgagcaa gatatgacta tgacttttta tttgactgga ccattctaaa atatcaggag 60
 gcgcacgaca caaagaaaca aaatcaatca tcttcttcaa catgccgtgc ctaacaacat 120

aaaagagacg ggggggggaga aaaaaaaagg gggcaaaaaa aaaaaaaaaa aagggggaâa 240
 aaaaaaaaca cccccaaaaa aaaaaaaaaa aaaaaacaca aaaaaaaaaa aaaaaggggg 300
 aaacccaaaa agggaaaaat acaaaggaaa aaacaccaa gagggaaaagg aaaaaaaaaa 360
 aacggaaaaa aaacccccag ggggaaaaaa aaaaaggccc cgggggggta caaaacaacg 420
 gagggagaaa aaaaaaagcc agggaaaaaa cccaaggccc caaaaaaaa aaaaaggggg 480
 ggggggaaac agccccaaaa aagggggccac aaacaaagac ccgaaacaaa aaaaacaccc 540
 caaaaaaaa gagggaagaa cccaagcgg c 571

<210> 10244
 <211> 567
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220113h03a1
 <400> 10244

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 atcttcttct tctaaaatta ttttctttt ctatccttct atctatcatt cttttacgct 120
 aaaaatcttc tcgcttctta gcttagctgt tctgttccag aaacgataaa atcaatcaat 180
 caaaggaagc aaaaaagtca gaatggatct gtgtgctgtt catgcgaaga accttttcca 240
 cacaaattcg ttttgccaca gaccatttc ctcccatttg ggaaggacca gagtgtttga 300
 gatcactgtt tcgaggagaa agccttactc taaagttggg tatcgcccat ttgttgctcag 360
 cgccacgggg aagaagaatc atggcaactc ctcttcttct ggcaatgaag aacgggtccat 420
 tcccgaagga gatggtacta gagggaaaca ttcttctgat ggcaacaaat cagaaaacaa 480
 ctctgagaaa tgccaccata ctaatctggg atggcgcgag ttcacgggca agctatatag 540
 agatgagctg aaagaatatc agatgct 567

<210> 10245
 <211> 564
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220113h03d1
 <400> 10245

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 atcaaactat tctaacaagc ataattacaa gaacgaagca aggtacagtt cctcttataa 120
 caatagagta ggacaggagg ataaattatc tacttatttg gcattaaagt gaacatcggt 180
 aaatttgact ttgcagcacc ttgattacac gttcttcatt tgtctctaaa tctgaaacca 240
 tacattagta cctacatgtc ttgctttggc ttccggctca atttggagta atggccaccc 300
 attagctgca aaatcttctc ccacaaactt tctgacggat ctgataaagc cccacaaagc 360
 aaacttgagc tacatgcagc tacataccaa taatctgact caatctcatc tctcaactga 420
 tccagttgcc atccggcata accaaciaag aatctgaagt catgaggctt gagaatcccc 480
 ttcttcacaa gccctgcagc atcatccaaa ctgtatcgag atccaaaaca tagcccaggg 540
 attacctctt caaatcctgg aagc 564

<210> 10246
 <211> 521
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220113h04a1

 <400> 10246

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 attatttatg ccttcatcca tagtggacga agaagcgagg tttgaagccg aagtggcgga 120
 ggtgcaagca tgggtggaact ctgagagggt caggctaaca aaaagaccat acacagcaag 180
 agatgtggtg tccctccgag gcaacctcag acaaacctat gcctcgaacg agatggcgaa 240
 aaagctctgg tgccttctga agaaccacca agccaacggc acagcctcaa ggacttttgg 300
 tgcacttgat cctgttcagg tcaactcaaat ggccaagcac ttggacacaa tctatgtctc 360
 aggggtggcag tgctcagcca cacacaccac gagcaacgag ccgggccctg accttgetga 420
 ttacccttat gatactgtcc caacaagggt gagcacctct tctttgtca gcagtacat 480
 gacaggaagc aaagagagga gaggatgaga atgagcaggg a 521

<210> 10247
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113h04d1

<400> 10247

gcatgtccaa atatacacta taagtaaaat atgtttaaca gtaggggtaa aacaaattac 60
 aaaacacaga aaaacaaggt ttccttggtc tccttgccca catggccaag agtctgaaca 120
 agtaagaaat ataagaaatt atgaaggcaa aaattgcaga atgattcaat ggcccgttta 180
 atacttcaat tattgaggac atttattcca aattccaatc caacacagaa attggggaat 240
 tttccccaag ttccactctc ggcagtatag ttctgcaaaa gtagcacttt cacattctgg 300
 ccttagcaac cacaatactg cctctatcaa tttctacagc tcctggccta gtccatgatt 360
 ctttaaactg ctcttcagtt actccttttc ccattgcagc agttgaagcc acacctccct 420
 ggacagtctt gagataccta tcatagtagt tagcaccag 459

<210> 10248

<211> 420

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113h05d1

<400> 10248

ggaaaagtaa ccacccctt aaattttttt gagaatctca agggatttag catttgatcc 60
 acgtcggaga ccaaattttt gacagtatct tggttagaac ccagtttttt tattttgggt 120
 ggaagttgaa atttcccat aaccattcac cagtcaaagt ttacccttt tcaaattttc 180
 taccgcaaga aatagccatc cagagaattt gccatcaacc tagctacca gggtaggtat 240
 gcacactcca cttcaggggt tttgctggtc tttccatata cttcctgtta ctggagctt 300
 caactttttc ctgtctccac ccgagaagaa aagcgccatg ttgcggtaaa tgatgagacc 360
 ctcatgggtg gctcttacct tcttatgggt acctctaata ctttttggac cccctaaaa 420

<210> 10249

<211> 401

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220113h06d1

<400> 10249

aattcaagca acaaacataa ctggtatata aaacaacaaa tcaaaatcca attccattgt 60
 atcagagttc agacaacaat aaacagaagt aatttgcccta atattaagac aaaatcctgc 120
 atatgatatc caaggcaagt ctttcccat gctcactgac taggggacct accccgggct 180
 ggttcccttc catctcggtt cggacttga ctctgctct gacctgggcc ctttgctgga 240
 ctctgactac gactccttga gccccatta taaggaggag atcgtgagta tgacctcttt 300
 ctactatgct gtgaaaatga tctttctcga ctgtaccttc taccctcagg ggagacagat 360
 cttgaatact cccttcgttt ggcaggagga gaataataat c 401

<210> 10250
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113h07d1
 <400> 10250

atattattat ataaagatag tctataatca ctagaatttc tatatattta tacttagtat 60
 ataataattc tagtgattat agctaagcca atatatatca taatataata tacccttttc 120
 ttattcaaag aatttatggc tatgccttat catttttagt caaagaaaag aaattatgga 180
 attgaaataa ctcaactcaga acgcccttta aaagattacg cggtacgatt gaatcaaata 240
 agcccttatg gaataaatat tcagctgctt gtgaaccttc aggtactgcc ttattcaatg 300
 tttgttcaat tactctttta ccagcaaatg caatataagc atttggttcg gcaataatga 360
 tatcccccaa catgccaaaa ctagcagtta cccccccagt agtgggagat gtaagtatgg 420
 atacatagaa taacttttta tatttttgat aatcatataa agcagaagag 470

<210> 10251
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220113h08d1
 <400> 10251

aagtcaagat ttattatatg acaaattatt tgtacaatag ataattgagt ttactcataa 60
 acttaatgac acaggcacia atgagcaacg acgtaataa tattcaaacac taactaattc 120

tagtagtattc tcaggtggta agaaaggtgg gaagaaaga caggacttgc cgtctatcca 180
 catgtgcctc tcataacacg caagagattt tattcatgaa atatgttatt ttaagtagct 240
 agaattacac tgtcgtctca actatgtatc ctctgatagc tagggcatca gcaccttaat 300
 caagcaactt cactcactac atcatcccca tctcaacagc ctttacggaa atcctcctgg 360
 gatgccacca acgccaccaa caccacaaa gccagtgttt gagaagccgc cgtcgacgcc 420
 accaccaaag ccaggaaga tgccggggaa tccagtgccg gggaatccag tgccggggaa 480

<210> 10252
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113h09d1

<400> 10252

gttgataaaa ataataattt taattaatgt ttatgaaata ctgaatttat aacaatttct 60
 tacataaatg ccacacaagc aaattcaaag gagccgaac aaacttacac aatcgaggat 120
 tattttttgt tcatttcatt gcccttgatc ttcaaataag aacagtaaatt tattcatatc 180
 acagttacag cacatttatt aaacaagttg tgaaattgtc tgcttggttc cttgggtaat 240
 ggaacaaatt tgtacaataa gattattcac ctccacatt attaaatcaa gcttccaacc 300
 aaaatgattg catgggatct ttacaccaat agcttccaag tttctttgta gtccttagta 360
 agcacaccag tctttggtct tcgggtcttcg gtcttctaca agatgtttat tcttgaatag 420
 aacaagtcac gtgatccaag aaatcaagag ttctgaaact gggatttgta gatgtcatga 480
 ccagaagtgg ctggatttac tgggcacagc ctaacagaga atgag 525

<210> 10253
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113h10d1

<400> 10253

tgtacgtctg tgtgatatga tgcaactcga ctgctacctc tgcaggatac cggttccgga 60
 attaatgtca ccgggtacgt acgagctcac ttagtccgctc ggctcgctcc tttattttta 120

ttttttttat cgaaagcatt`aatagaatat taa`ctagta

159

<210> 10254
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220113h11d1

<400> 10254

acgtaaaatt aaaaccagta tatgtcaatg tagtagctta tcgtgctagg tgagtacaac 60
 accatggaca gaaggctaaa agttagacct ctttttgtag aaaacaagag aataagaggt 120
 attattgttt ctacttgatt catttatttg tactaatttc tagctgacta ttttttagtt 180
 tcgacgtgca gatttcatgc tccatgcttt taggtattcc acggtgatat gctcagtacc 240
 gttattgaac acaaacaat gagctttttt ctttattgct agggtaggat aaaccctaga 300
 caagatgttt gttcttcctc cggtccaaa actctccact actgagtgat caatcaaact 360
 cttgagagag agctttttat ttttggctaa atccacattc acaaagcctg caaatgatgg 420
 cttgtacaat tctctcttta aagaggaact tcttgcacg gagcacatga aaatcacgtg 480
 ctcgtttgga gctttaaaa 499

<210> 10255
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220113h12d1

<400> 10255

gcgcgggata attgtgatct ttcttgtgaa aatagttgcg agcgtagtag cattacacta 60
 aatcattacc ttatgatgat ttgattagca caaatttaca ttagtttcat ggcatccgat 120
 gcaaaaatga ttcacaaatt aacaaaggca tccgagtaag cccgaaataa ttatatatca 180
 tcatatacga cgatgaccga aaaagtataa attgtacgac gaaatgcgcc aacgctggtt 240
 tcactntcat gaggggtaac cttgtaaaac ctttttttcc attccagtaa aattttcttg 300
 acagacctgt ttctcagtct ttactggtgg attgatcact gatccattat gcatcgnngc 360
 actggatttg aaaggaaagt ttcgttagga agcaacaccg atgga 405

<210> 10256
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114a01a1

<400> 10256

gcttcgcggc gttgtcaact tcccttcacc caaccacctt ccatctccaa acaaacatgg 60
 gttggaaaca cgacgccgtt ttggccagcg aacctgtcgc cgaagaagcc ccttcgagcc 120
 ctgagctcga ttccgggaag aagaagaaga agaaaaagaa gaacaaaaaac aaagacaagc 180
 accaaaccga aagcagcccc aaacgaaagc tcgacgaaca ctacccccaa aacggcaccg 240
 aatcgaagaa gaaaaagaag aagcaccacg agtccaaggg gaacgccgag gaaaccaacg 300
 gcgatagcaa caacaacaac ggcgatggtg ctaatcgca ggaaacggcg acggatgggt 360
 ctgttggtgt caccggtaac aatgcgggag aggcgaaata cgccgcggtg aagagcttcg 420
 cggattcggg gctgccggag aacgtgctgg agtgctgcaa gggtttcgag aagccttctc 480
 cgat 484

<210> 10257
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114a01d1

<400> 10257

ggtcgtaaaa ctaagcaaaa aaacaaagta aaagtaattt cacaagtatc ttatcatcgg 60
 caccaaaaaa gcaagcgcag agcgcagggg aattcttaat ttcccatata tgataaaaaat 120
 ttagactaat ctagagctca tcgtgagaat catcctcgtc ttgccttcg ccacctgcac 180
 cacctggggc tctcctgat ctctgataca cagcactgat gattgggttg caaacggctt 240
 caacctcctt cagcttctct tcataatctt ctttctccac actctgggtg tcatccagcc 300
 attccaatgc ttctttcact gcagtctcaa ttttctcctt ttcattcgac tccaacttgt 360
 ccgcgagctt gtccttgatc ctgacctgat tcttcattgt gtatagctag gtttcaagac 420
 tgttgcgagc atcgatcctc tccttcacct tcttgctctc ctcggcaaac tcttctgctt 480

cacgaaccat tctatctatt tcttcctggc taagacgtcc cttttcg

527

<210> 10258
<211> 559
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114a02a1

<400> 10258

cgcgctatca ctgattagaa cctaattgaa caccaatatt gtaggagttg tgtactaaag 60
tccgggttaaa gaatatgtag ttcaagacaa tcaagtcact acatttttct cggatgaaag 120
ttcataaaca ctagggtataa ggttcaaacc cgaaagggtc cttataccga aatacaatat 180
cacatgttct ttctcttatt ttttatacaa attatctttc ggaaaatata ttttaaaatt 240
ttaaattatg tgggggaatg ttggtaaata tttgtgtttt aatttaaaat ttataaatat 300
atattaattc catcttataa aataaaatat ttattttaga ttttcttaag attttgtttt 360
aatgagtcaa actagtttgt tagatttggt ttgacaacta taagttagtt tccaacggtc 420
atattttggt tgttgcttag ggtgatctgt gcctatatat tatctttcat tattttctaaa 480
aagatgacag aacaacagtc tcactctttt ctccc aaaat tttctatttc ttctcttata 540
aaaataatta tttcttgag 559

<210> 10259
<211> 559
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114a02d1

<400> 10259

gaaggagcaa ctacaaacat cacaaggata atacctaatt ttggcggtgt aacacgaatc 60
acatgatcat aattccaaag aaatttgaga tctaggtgaa ttagttgata actcttgga 120
ctttacatag tgatcagtag aataatactc aaatccaagt tcgtttggtc acttttaatg 180
acaacatact gataaagaac ctgtcaggta atctacatgt ctctctcct gtacaattcc 240
atccaccttc agttttctgca ggtaaaatac aagcaattct tccctcacca aaagagaaac 300
tcaaatgaca attttgtatt gaagccagct atacaactcg aacctatggt ccaccacaca 360

0953113-032200

ttggacatcc ataagcccag cggctgatcc accaaatctc cgggtcattt tgactgggaa 420
 gattgggtgga agctgggtgag gcaaaagcac aagtctgccg cagacatctt atacactgta 480
 tcaaacagaa gttaaattgga gaatgagaaa agtaaataat atttacatgc aagcagataa 540
 tgaaattaaa aggtcagga 559

<210> 10260
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a03a1

<400> 10260

tttccatctt ttaactcaca tctccctcct gccacagata gattacatct ggatgttggg 60
 cacaattggc ataactactt ctgccacca tttgttccca cattacagca ggcaagaaat 120
 cctcctattg aagggtgggtg caaccaatc ctgtctcgtc ctattcctat gagattggac 180
 tggccccag tttttcgtgg tggcatgacc ccacaccaa actataacta tgactatggg 240
 tgtatatcta ggaagcaatg taccttttta aaaggattgg ttgttcacaa catgca 296

<210> 10261
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a03d1

<400> 10261

gtaaagctag aagaatttat tactgtcgaa atctcaccat aacttacaaa gaagccctat 60
 ggtgaggatc accttagaac gttcaacagg atctaattgtg ctcttaactt aattcatttt 120
 ccacatataa ttgcttagct ttgtcaactt ctgagaactt ctggaaagtt atacaattat 180
 ttctctaact tcaatcttta caaaacatgt tatacccaa ttatttgatg caactagaac 240
 ggtttatcac atcatatttt ctcaagcgat caagtcacac caacttggtc tacagttgct 300
 ttacagttcc attctatcta tgcagccgaa aacactcttt ctgatatag ggagggttta 360
 caagtacaaa gcctctactc cattagtgga taagttgtct ccgaaatgtg aacctgactt 420
 tgctgttctt tatgcgacaa agacgactca tgactactgt gcattaaatt accatctttg 480

cctagttttg catcagcaat ggttgacaga actccggatc agt

523

<210> 10262
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114a04a1

<400> 10262

agtgaatgaa ccatgccctc atcagaattg cacttttggc gggatatgga acggtggagg 60
ggggagtgga caaaaagtcc tttatgttac tacatcttcc tattatctgg ttatacaggc 120
tggtatagcc gatgcaagta aaaccagttc caaagtttat cctgcggaat tcaaggccgc 180
agctaagcga gcgtgtcaag tcaaatttga ggatgctcaa tccacttacc cacttatgat 240
ggaagatgca ctttcataca ttgcatgat attacgtacc agtatacgtt gctcgtcgat 300
ggatttggcc tggat 315

<210> 10263
<211> 540
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114a06a1

<400> 10263

atcattttta tcacgcgcac atcagcaca cacaacaatt cactaagcta aaatcacttc 60
atcatggctt cctcgtgtgc ttcctctgcc attgcagctg ttgccatctc cacaccaagt 120
tcccagaaga atggatcact cttgggaagc aaaaagctt cttttcttag tgggaggaaa 180
ctgaaggatga acaactttac agcaccagtt ggagcacgat ccagcactac agtttgcgca 240
gttgctgagc ctgataggcc tctgtggttc ccaggcagca cccctcctcc atggctagat 300
ggcagtttgc caggagattt tggctttgat cctctaggtc ttgcatctga tcttgagagc 360
ctgagatgga atgtccaagc agagcttgtg cactgcagat gggccatgtt gggagctgct 420
ggcattttca tcccagaatt cctcacaag attggtatcc tgaacacccc ttcatggtac 480
actgctggag agttggagta ctttacagac accaccacac tcttcatagt tgagctcttt 540

002220114a06a1

<210> 10264
 <211> 405
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114a06d1

<400> 10264

aaaaaagggc cctttaaaat ccccggggct tggtcccaaa aaaaattggg gcgggtttat 60
 catccatgga aaaacgggga ttacttcttg aatttacatt aaaggccttt aaaccttaaa 120
 aagggttttg gccattgaat cttcaatttt tgcctgacaa taaaaggagc cctttttacaa 180
 gggttttacca acataaaccc tcccacctaa aaccttttaa gggttacaac ttagttaaaa 240
 aggggttgcca atgggttttcc aagggttgga aacatagagg gggccaaca cttttcactt 300
 gggggggaaa gccccaaaaa tagttccatg ggccggatct gcaaggggac caaaaagggt 360
 gcgaatagga cccgggcccg ggtaaattggg ctggaaccat gcccc 405

<210> 10265
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114a07a1

<400> 10265

ctgccatccg tgctgatcct tctctcaaga aatctgagaa gcagcccccg aaggaacaca 60
 agaggtacaa tctgaagaaa ctcaattatg aggagaggaa ggctaagttg attgctcgtg 120
 tggcggctat caactctgct gctgataatg atgaagatga tgagtgaag ttcattgcag 180
 attccatgtc atcgttgac aactaaaact ctcttatttt gcgttcagtc aatcatttta 240
 ttacatgtg ctgtttattt tctaggtcca aaattttgga tactttttga agttgagtaa 300
 gccgtatttt tggtaatttt cgtgtcaaca tgaattgatg tcttacctta ttttatgata 360
 tacgctttgt ttctagcacg aagttgttta gtttaacgaa ctgtgcttgt ttttttttc 420
 gacaatgaaa gaatgtacca cttaatttg ttaggttaaa tttaatccag atttactt 478

<210> 10266
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a07d1

<400> 10266

aagtaaatct tgattaaatt taacctaaca aattaaagtg gtacattctt tcattgtcga 60
 aaaaaaaaaac aagcacagtt cgttaaacta aacaacttcc tgctagaaac aaagcgtata 120
 tcataaaata aggtaagaca tcaattcatg ttgacacgaa attgaccaa aatacggctt 180
 actcaacttc aaaaagtatc caaaattttg gacctagaaa ataaacagca catgtaaata 240
 aatgattga ctgaacgcaa aataagagag ttttagttgt gcaacgatga catggaatct 300
 gcaatgaact ttcactcatc atcttcatca ttatcagcag cagagttgat agccgccaca 360
 cgagcattca acttagcctt cctctcctat aggggagttt taaaagatg gccctttggg 420
 gtccttcggg ggctggttct cagatttttg agagaagtac caccgccgat ggcag 475

<210> 10267

<211> 478

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114a08a1

<400> 10267

caaagaaggc gtcttcataa acgcctttct tctccgtttc cgtttcctcg ttcgaattcg 60
 ctttttgatc tgcgaaaatg agagagtgc tctcgatcca cattggtcag gctggtatcc 120
 aggtcggaaa tgcttgctgg gagcgctact gcctcgagca cggcatcggg cccgatgggc 180
 aatgccaaag tgacaagaca gttggcgggtg gtgatgatgc tttcaatact ttcttcagcg 240
 agactggtgc tggaaagcac gtgccacgtg cagtgtttgt agatcttgag cccactgtta 300
 ttgatgaggt gagaaccgga acttaccgcc agcttttcca cccagagcag ctcatcagcg 360
 gcaaagaaga tgccgccaac aactttgcc gtggccatta taccattggg aaagagaatg 420
 ttgatctgtg cttggaccgc atcagaaagc ttgctgacaa ttgactgga ctccaagg 478

<210> 10268

<211> 532

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114a08d1

<400> 10268

gaagcataaa agcaatgcat ccaaattaaa accacatcgg tactggtaca catctgaaca 60
 tcaaacacaa cagaaaacag accacaagaa caagaatctg aagtagattc tagtagtctt 120
 catcctcttc ctggccctca ccagactcag caccacttc ttcataatcc ttctcaaggg 180
 ctgcaagggtc ctcacggggt tcagaaaatt caccttcttc cataccctca cccacgtacc 240
 agtggacaaa agcacgcttg gcatacatga gatcaaactt gtgatcaatg cggccaaaca 300
 cttcagccac actggtggag tttgaaatca tgcaaactgc cctctgcacc ttggcaagggt 360
 cgcctccagg aacaacggta ggtggctggt agttaatacc acacttgaaa ccagtagggc 420
 accaatccac aaactgaatg gtctcttgg tcttgatggt ggcaacagca gcgtttacat 480
 ctttgggcac aacattacca cggtagatca ggcaacacgc catgtacttt cc 532

<210> 10269

<211> 547

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220114a10a1

<400> 10269

cttataacta ggtatttatt ttctcatatg ctcttcttaa acttctcttt ggtagtgtgt 60
 tcacatacat atctacttat tggtattatt attgtcacca catacaataa tgggttccat 120
 tagtaacacc gaggttcata atcatcacia tgatgatgac gacgatgatc atcgatcatg 180
 ggtgaatttc tcgatccaga gaggatttgg gacaaaattg aaggaggcat tgaaggaaac 240
 attgtttccg gatgatccct tcaggcagtt caagaacgag gagaagccaa tggggagggt 300
 gatgaaaggg gtgcaatact tcatcccaat ctttgagtgg ctccccactt acaattttcg 360
 cctcttttgc tctgacttga tcgctggact aacctctca agccttgcca tccctcaagg 420
 cattagctat gccaaacttg ctgaccttnc tccctcatt ggcctttatt ccagctttgt 480
 cccacctttg atctatgctg cttttgggag ttcaaggcac atggccaatg ggacgatagc 540
 agcagca 547

<210> 10270

<211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a10d1

<400> 10270

gggaaaagtt ttttttttat tagcgaatat tttctcaatt ccacagatat atagttgtat 60
 aataatacta ttctataata caacattgat gtgggcaacc gaaaggctaa ttaattaact 120
 acttaggcat gaatttcttc ttgaacaagc ttttgagcac tatttgcaac ctctgatgaa 180
 cgaagtgtat attgacttgc catcactgca tcatccaata ttagataaaa cgactccttc 240
 ccaattttct gaacaaactt gggattata agctactgca tgaccttcag ccatgggttt 300
 acgaacaaaa ccttaactcc atactttccc aatattgtaa ttaactcggg caatgcttga 360
 atagcagacg tggcaaggtc tgacactcct gacaaattaa gtatgatgtg ctcaactaca 420
 tctacagtag agctttgctc acttcgaata taccttataa tcctatcttt gacggataat 480
 agaatttgca gagtaaacgg gagaaccaag ttgtacaaca agaaactctg ggtatgacga 540
 taca 544

<210> 10271
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114a11d1

<400> 10271

accggttcaa ccacaggaac cgtgtttttt ggcaaaatth cataacaaaa ccgatatttt 60
 gaacattgtt ctacataatg aaccaaacac caaaacacag acggtaacga atgctactta 120
 aaaataaaaa aaataaataa ataaaaataa aaagaagcat gcaagtattt ttatcttaca 180
 agaacaattt gattgaactc atacaaacct tcaaaagaaa ccagtaaaac ccatatgctt 240
 gcacagttag aaactactga gaaattacta tttgaagata atccaaactg attgccattg 300
 acaccatacc cagcctaaaa ccaacccaaa catggcgaag atcgacattc gataaaagac 360
 actggccttg gcaacttctt tgagcaaaca agtggagctc tttctttctg atgttacaaa 420
 gattaacaac taagataact tggctttcaa tggacccaat gggatcttac tcaagacctt 480

agcatcaaac acagcatact gctttttaat ctcaataact gccttctctg caagtggatc 540
ta 542

<210> 10272
<211> 501
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114a12a1

<400> 10272

gatataatct atttgatgat acagtgcaat tacattaata tcaaactaca aatttgtag 60
aattctctcc tttgaggtga gttcttcac aaacaaaact tgtattattc caatggcact 120
ggcagtagca ctttattcac tttctgaaat cccccacaat tgcttgtagt ctatcttact 180
ctcaataaca ctagcattca gctttaaact tttttatatg aacattata taaccatcaa 240
tctacaaact caaatagagt aagcattact aaggggagtg gcataaaca cctttcaggc 300
tttcagctat tttaatttgg cacttactat tccttcaagt gagccaacca agcccattac 360
agtgaccaga aagcaagcaa agcttgaatg ttctaagaac aatacatttg ctactccaag 420
ctgcaatctt ctgctgtaca aagtacatct ctactgggaa atatatagcc aatggccaga 480
agtttatggc tctaact c 501

<210> 10273
<211> 352
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114a12d1

<400> 10273

aaaaaaaa aatagggcct ttaacggggg ggccccccag gaccaggggg cccctctgg 60
agaatcccaa agccctagcc cccaaggaat taaaagggtt taggaccgg acccgaccc 120
ggaacccac ccgcccccc ccccgaaag ccgaggacc caccgggcct gacaaagggc 180
atcccccca ccacggggg gggaaacctt agcccccaa ccggaacct gaaaaccaa 240
gggggaaccc ctttgtcaa aaaaaacccc ccccggttca aaggcggggc cccacaatg 300
gtggcccccc ccattggccc ccccaaggg aagggttca aaacccttg gg 352

<210> 10274
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b01a1

<400> 10274

gggacctacg cgtgcgacgt gtgcggcgta tcgtgcacgg gtgaaggcga ggccatcata 60
 cgtggcacgc tggcgcgatga ggtggcagcg gtgatggaat acaaaggctt gaagcttcaa 120
 gaagccgtgg attttgtgat caagcaccgt ctcgatgaag ggatggctgg tctcattgct 180
 gtgtccaacg ctggggaagt ggcttatggt ttcaattgca atggcatggt taggggctgt 240
 gccactgaaa atggcttcat ggaggtcgga atctgggaat agcttcatta ttttccttca 300
 tggttgtttc gatgcaactt ttggatttct gtaccatggt ccactgtagt gtagggctct 360
 tctgctgggtg cccgatttag ataaaaaatg gtaaccttgt ttctaag 407

<210> 10275
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114b01d1

<400> 10275

gaaccatcct atcattatat ttataagcca catgatggga tttaatatta tttacattcg 60
 cacatattac caattattat gaatcttaac cacggctaaa ccactacagc aaactgtaac 120
 gcatacaaaa attggtgagt tcaaaatggt cgacaaatga aaacagcccc ttcacttgca 180
 gatactttac ggaggcatgc aaaattaact gtattgaatt cataaggtgt aaacaggagt 240
 atttgattgt gctccccatt cagatcaaga tgcatacataa actgggtcat tagactttct 300
 aagacgatga agaccattg caagaatgca ngcagttacg cctgctccac atgaagtcac 360
 agctgggctt tccagagag 379

<210> 10276
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b02a1

<400> 10276

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cgctacctaa tttgttcctg tctgtgaca aacaccaaca ctggctcact cttttcttct 60
aactgcgacc acatgcagac ctgataagca ctctcgcat tcccaactct ctcacaccgc 120
ccaaatatcc tctcttctca ctctctctct ctctctccat ttgttttcgt tttctttctc 180
gtgaggaatt tgcaatctcc cagaaaccct atccactgat ttttttccca tcaaactcga 240
tactcaattc gattaaacgg agctaggggc ttgactctcc cgaaccgctg acataaatct 300
cggttcctgc ccttcaata tccctctcct ttgccaccga ataaatgttc ctgtttaggt 360
tttgatttgg gactaacccc aaggatgtat gctgattcgg ttggaaagtg gaac - 414
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<210> 10277

<211> 575

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114b02d1

<400> 10277

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ccaatatcac aattgttggc cttcttctgc aggcgaatgg attatcactt gcctggtctg 60
cgccagccaa taggcaatgc atcacatcca tggaatttca catccccaat gggcaattct 120
atttctacct tttggacaaa acaaattcag agttcaagca attccttcta catgcctagt 180
tcgaactaga gcctgcagca caagaagctt ttgtgttatt gtctctcaaa agaccgtccc 240
cttcattgcc tgggtgttaaa gtttgaccat tatattcctg aactgaacca tcctctatat 300
tactgggggc agaattgcta ttgcttctat tattgtcgct ggtctccagg cgttccatca 360
tgcgtagacac agttgcaatc cctgcattaa cttctcgctt aacttcagat ccaaggtcag 420
acatagtgtt gttccgagag aaccatctct ccttccaccc tcttgtgctc ttggaaattg 480
actccttgta tcttgttgat acagcattca gtttagattt cagagattct gaaaatgaat 540
gtaatctgat ggccctgctc tgtcttgact acttg 575
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<210> 10278

<211> 573

<212> DNA

<213> Glycine max

0953113-032200

<223> Clone ID: jC-gmfl02220114b03a1

<400> 10278

ggacgacgtt gttgcggaac ctgaaattca cgcgctgatt tcagacgaag agcagcagca 60
cgatcacgat cagcagcatg agcatgagca tgaccatgac ctcgagcacg atcacgagca 120
tgagcatgac caccacgagg accgcgatga tcacgccgcc gtggcagctg tctccttgga 180
agatctcaaa ctcaagatca ttaagcaggt ggagtattat ttcagcgatg aaaatctgcc 240
cactgacaag tatctgttgg gttttgtcaa gaggaacaag gaagggtttg ttcctgtatc 300
agtaattgct tcttttagaa aaataaagaa gctcacgcga gaccatgcat ttattgttgc 360
tgcatgaagg agtcttcact gcttgttgtt aggggtgacg ggaaaagggt caagcgggtt 420
aaccactttt gttttaatgg atctagagat cataagagaa tttgccagag gatcattcaa 480
gggagaacat tcaacaata ttgcatgaag ctgggaatat aaagaggata accattcatg 540
atccacattc tacttcagag tctacaagac aca 573

<210> 10279

<211> 555

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220114b04d1

<400> 10279

atatataatg ggcattcatg gttgatgata ttaaattgat gtttcaatat tgatagcaca 60
caaatggatc tggaccataa aacctatata tagcactaac atttatttta ggaccacaag 120
gcaagagata cttacatatt aaaattgatt acatgcccta attatatctc gcataccttt 180
tcaattatgt ccctctcgag ctacaataag ttcttctaag ttatcagcat caccagtgtc 240
tatagggagc atgatctcat cctcaattgt gaaattgtaa ttaatcccaa tggcttttag 300
aaactggtat acttcaaaca tggtaggcct ctcctttggc attgctgtaa cacagttgct 360
tgcaaccttc agaaattgga aaagctcctg gtctacaccc ttcccaacta gtgattcatc 420
aatgacttca tggagttttg cattgctaga ttgctgttga atccactcta ccaaattttc 480
tttaaaagtt tctggagctt tagccacatg ggtaggtctt tcacctgtca ccaattcaag 540
aagcacggtc ccgaa 555

<210> 10280
 <211> 372
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b05a1

<400> 10280

caaaatttga ttgatccctc attaatacaa atctgcagct caaattttct aattaatggc 60
 cagatctctt aattgagaac aggatataac gttgcttgat ttgctatact aacactatgt 120
 cattaacca ttgttgcaat tgcccttggg acaaaacctg tcatttgtac gtagtagaaa 180
 ccactgcctt acaatggaaa acgtacgcta cttgcacact cctgtttaca acttagtctt 240
 gcaggatgat gctaagaaac ctctgttaac ttctgaaacc ttccactatt cgactatgga 300
 agcatttttg ctctaaaact cctgtttcta gccggcgaag gctctcatta taaccataca 360
 gacctaaaat ta 372

<210> 10281
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b06a1

<400> 10281

agcgaatatg cgtggagcga aataggaaga ttcttgcgta agcagcatct tcctctctct 60
 tattctattc ccttattttc cctttttgtt tcttatttct caaaattcaa agaacctgaa 120
 atcaaccaca accttctcct atatataata cacacttctg cattgctatt ccttctcagc 180
 attctcctta gcctcaggca gcattgttgg ctagcactta acactttcca accaatcagt 240
 accagcaact tcttgctggc actcaagttg tgctgcatct tctgtggggg atgacatgac 300
 tcaaaacagc atactgaatc acagtagagc tcttgagggt gtccatgggg cccaagtgga 360
 ccctaactcg ccatttgatt tgacagaaac taatcaaagt ggggactttc gt 412

<210> 10282
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b06d1

<400> 10282

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catgatataa tatatttcca atcttcagaa aatcccatca cacttcaaac taaaaagtca 60
agagtctcca tagtatctca acatacatgt tcagatagaa ttataatgca cgatgtttta 120
tatataactg catgtttatc taaggagaag aatagggtgcc agatttttgc tgcataaacc 180
gctttctcca atgagtttaa ctaatgaaca taaaactaca aattgaagag gggtagaata 240
atttggaaac taatttgcac atctacatcc tcaaccgaat ccaataaaat acaatgtact 300
accttatgat cttaaccatt gcttctacaa attaagtcga cagattatgc tgatgctatt 360
cttactcaga atgcatagtt tccagctttc gaatagagtg tgcacaccta ctcaagaagc 420
ttattgcagg tgctacacc aacagcagca gcaagatgcc atgcagcatg aaggtaagga 480
gttttaggaa ataaatcatc agctacaaaa agcataccac caagtaacga cgatgtctta 540
tgactgtgt gagccattct caagtc 566
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<210> 10283

<211> 534

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114b07a1

<400> 10283

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caaaaaaaaaa aaaaaaaaaa aatccgcgat tcgctcttct cttggaaaag tgaaaaccag 60
aagtacgaac gaaagagaag agcgatttag aagtgagaga agatgggggt gtcgttcacg 120
aagctgttca gcaggttggt tgcaagaag gaaatgagga ttctgatggt aggtctcgat 180
gctgctggta agacaacat cttgtacaag ctcaagcttg gagaaatcgt caccactatc 240
cccaccatcg gatttaatgt tgagactgtg gagtacaaga acatcagctt cactgtgtgg 300
gatgttggtg gtcaggacaa gatccgtcca ctgtggaggc attattttca gaacactcag 360
ggtctcattt ttgtggttga tagcaatgat agagatcgag tggttgaggc aagggatgag 420
ctgcacagaa tggtgaatga ggatgaactt agagatgctg gtttgcttgt ttttgccaac 480
aagcaagatc ttcctaagtc aatgaatgct gcagaataac tgacaagctt ggac 534
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<210> 10284
 <211> 456
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b07d1

<400> 10284

actcatggaa atatattcaa tcaaaaatca aacaaacaag atgtaagcaa cacagcacgc 60
 acgcacaaga ggggtgaaga gttccaatta tagctaaaag tattagctaa ttttaagcaat 120
 catacaaacc caagttacac aaaagagaat acttcttagca agcattctgc tattacaaca 180
 ttcgctagaa aagataagca tctttctcca agaaccgccca gactcgcatg aaatcaccag 240
 acaagaccaa aatttttcaa atgtctcatg ctttgctggc aatggttgta gaaagccagt 300
 ccaaaccctc atagagacc tctccagaag ttgcacaagt gctctggata taccagtggc 360
 gttgacggag tgaatgaagt ccaagcttgt cagttatttc tgcagcattc attgcattag 420
 gaagatcttg cttgttgcaa aaacaagcaa aacagc 456

<210> 10285
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114b08a1

<400> 10285

gccgcaggag gagaaggccg aggaagacag atccaaggtc gatgatctcc gaggctctcc 60
 catgagcgtc ggaaacctcg aagagctcat cgacgagaat cacgctattg tctcctctc 120
 cgttgggcct gagtactatg tcggaatcct gtctttcggt gataaggatc agttggagcc 180
 tggttgtgct attttgatgc ataataagggt tcttttctgt ggttgggctt cttcaagatg 240
 aagttgatcc aatgggtctt gtcataagg ttgagaaggc tcctctggaa tcttatgctg 300
 acattgggtg tttagatgcc caatacagg aaattaaaga agcagttgag ctaccctga 360
 cgcacctga actatatgaa gacattggta tcaagcctcc taaggggggc attttatatg 420
 gagaacctgg aactgggtag acattgcttg cgaaggctgt ggcanactca acatcagcaa 480
 cattcttgcg tggtgggtgt agtgaactga t 511

<210> 10286
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b08d1

<400> 10286

caaggatatt gaaagaaaac tatattgaat taaaatcggt gttgagattc aaagccccta 60
 aaatacaact gacatttggt cgcagaatac aaatgaattg gcatttggtc gcataactag 120
 aacgttaaaa gaaagacaag agggccagag ataatagagg atagtttttc acatatacag 180
 cccttcaggg accccttctt tcttcttaaa catcacttta tccttggcct tcttaaagtc 240
 ggcatgagtc accttcattc gacgttctcg tagagcaagt aaaccagctt cagtacatat 300
 tgcctttata tcagctccgg agaattcgtc tttagtcata acaaattctt ccaagttgac 360
 atcatcagct aatgtcatcc ttgacgtgtg tatctggaag atgcgtctcc ttgttttgat 420
 atcaggaaga ggaaattcta tcttctgtgc aattcgacca ggtagtagca aagcttgata 480
 aagactttca attctgttgg ttg 503

<210> 10287
 <211> 514
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b09a1

<400> 10287

gaacagtgtc gtgagaacct accctcaaata acccggtgga gatccacggt gttatcctag 60
 caccggttcc gcagttttgc ttcctcttcg agaacctaat gtggaggctg aggttctgat 120
 ttgtggtgga gccccgagag gggcttttcg gaatactctc tcgggtaagt ttgttgagac 180
 gttgagaact tgcgctcgga ttaaaataac cgacccgaaa gcgaattggg tgatggaaac 240
 catgccgggt gcgagagtta tgagtgcacat ggttttactc cccaacggcg acgttttgat 300
 tgtaaatgga gcagctgtgg ggactgcggg ctgggaattg agccgtaacc cgggtgttaa 360
 cccgtttctt tataaaccca acaagcgggt cgggatgaga tttgaggtcc agaaccgctc 420
 tcatattccg aggatgtacc actccggtgc cgttttgctt cgcatggggc gagttcttct 480

cgctgggagc aacccttaca cgtattacaa tttc

514

<210> 10288
<211> 553
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114b09d1

<400> 10288

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aaacttccta ggggtattatt tacacgcccc ataggccata aatggcttta tttgaatttt 120
atcttcccat atcttacagt ttaaatactc actcaagaat ctgttcactc ccagacattc 180
acaacattaa ataactggaa taaaagacc tttccacac caattttggc aaccaggcaa 240
agccgagaat tcccattttt cccacctatc tggacccaaa taccgtggct tggaaacttc 300
ttgatggacc acaaacagca tatagaacct cggtgcgcca gatcaagggg aagccggccc 360
ggtaacttca acctcgtgcg ttgattctcc aacccactc aaatgggtgcg gcttcagcac 420
caacagcctc tgattcatgg agaacgagtg cgtgttaa at ggcgggcgcca gcatggtaac 480
agacaccgaa tccccaacca aagtcgcgct caccttaaac cgaagcctca acgtctgacc 540
gtacttgagt ttt 553

<210> 10289
<211> 553
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114b10a1

<400> 10289

aaaacaagcg ccgcaacccc gccgccgagc agtcctcctc ctccctcctc accgctgacg 60
acaccgtctt ccgctacctc tgccccgtcc gcaagatcgg cagcgctcatt ggccgcggcg 120
gcgacatcgt caagcagctc cgcgccgaca ccaaggccaa gattcgcctc ggtgacgcgc 180
taccgggtg cgacgagcgc gttgtcacca tccacagttc ctccgaggag accaaccatt 240
tcgacgagac cgatgatctc gtctcgcccc cgcaggacgc gctttttagg gttcaccagc 300
gcgtgattgc ggaggacgca cgtgaggatg aggacgagga gaggaatcat gtgactgcga 360

002220114b09d1

agcttctcgt gccgtccgat cagatcggat gcgtcattgg aaaaggcggc cccatcgtgc 420
 agaatatacg gagcgaaacc ggcgcgcaga ttcggatcct taaggatgat cgcttgccctc 480
 ctgcgcgtta agcaccgatg aacttggtca gatatctggt gaggctgcgg gtgtgaagaa 540
 agctctgttt caa 553

<210> 10290
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b10d1

<400> 10290

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 aagacaaggg aaaaaaaaaa cttttcaacg ggatccatca tccatcacca gacccaaatc 120
 tacttcattt gatttagaaa attcctgtta ggcacatttg cttctgcaca tcggtgcatc 180
 gtaaatgacc taaggaggagg agcttacctg tttcatacct gaaatgacct ggcaaaatga 240
 gttacaaata aggggtgattc agctgcagca ttcaattaaa gctacagacc aaaagtgcgc 300
 taaaagaaaa tacataccac acgtcacctg atttcaatta tccacgttaa ctcaaaatat 360
 tgcttgattt ccaaaatccc agggatcatc aaaatggcat atgtagcat ttcattcttc 420
 ctttttttat tgaactgcct aaatacaata caaaactaac atctaataaa agaaatccat 480
 gtccctcaag cctcctgttc attacagcta gaatt 515

<210> 10291
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b11d1

<400> 10291

aaggaaaaag ggcccaaat ttataaaacc ccccaaagaa aaacccccca agggaaaccc 60
 ctaaaaaaaaa ttggggcccc ccaaaggaaa ccacaaaaag ggaaactggg gccccaattt 120
 aaacccttt taaacccaaa aaaaaaaaaag gagccacca aaatgtggaa aggggaagga 180
 acccccgaaa ggaaccccg ggattaagaa cctaaaagg cccgttttcc cccttggggc 240

ccccaaagaa aaccccccat ggggccccaa agacccccaa aagggggtaa ccccgctaa 300
 aaaaagttcc cccccgggg gggttgga aaacccgctt tgggggggaa agaacttggg 360
 gaaccccgaa aaataaattc tcccctgggg g 391

<210> 10292
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b12a1

<400> 10292

accgcggtgg gctccagctt tgtcccttta gcgagggttt attgcgcgct agaaaaaaca 60
 tgacataccg gaaaaaacia ggaggtggtt gcatagcttt ggaatttccc aatgaaacgc 120
 tcaagtatgg tcgtccttgt catggggctt tctggagagg atcatgtgcc ttggcgagaa 180
 aatgccagag tgacccctt tgggcaaata atccgggggc ttgaagagca tttcatgaac 240
 atccacggtc cccttggggc cgattcccaa agcggggaga acagt 285

<210> 10293
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114b12d1

<400> 10293

aaaatatata tattaatcac aacctttttc ttttggcaaa taaggtttcc ggaatggtgt 60
 gccaaattcg tatacaacia gcatttctct attaatat tt gcgtgtttgt gcttgctgca 120
 tatcttctat ccaacacat ttaccaatat catccagggt tatgttgtga atgcaatgca 180
 tggaagagag gagcgaacac taccaactgc atattccaca attcatgttg taaaaacct 240
 ataccaactt ggattacggt taggaatgat ccttagccac gctattccat tggggaagggt 300
 ctttcttcaa ttctgatgtc actactatgc tcgctgccta gcatgattgc cattagcata 360
 agtttgcttg caactggaaa atccttgtgc tgcataata ttgtttcaac tgaactaccc 420
 atatcccca aaatagaagt ctccatgttt tcttgtctca aggaaaatac ttggccaaac 480
 ctttcttcaa atgttcactt tgagggtccat aacacctact tgaagccttg aaagtatagt 540

at

544

<210> 10294
<211> 569
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114c01a1

<400> 10294

cacatcccta gctctgtcgt tccgtcgttg acgatggcgt ttcgggtgcg aagccctgac 60
ctccgctctc tctttcttct ctctctcttg tccatcgctt ccgccaatgt cttcttcgaa 120
gagcgtttcg atgacgggtg ggaaaatcga tgggttaa at cagattggaa aaaagatgag 180
aacgtggctg gggagtggaa ccacacctct ggtcaatgga atggagacgc taatgacaaa 240
ggtattcaaa ccagtgagga ttacagattc tatgctatct cagctgagta ccctgaattc 300
agcaacaagg gtaagacact agtctttcaa ttttctgtta agcacgaaca gaagcttgac 360
tgtgggtggtg gctacatgaa gatgctcagt ggggatgttg atcagaagaa atttggcggg 420
gatactcctt acagtattat gtttggccca gatatctgcg gttacagtac caagaaagtt 480
cacgctatct ttacctaca taacacaaac cacttgataa agaaagatgt ccttgtgaga 540
ctgaccactt actcatgtta cacatttat 569

<210> 10295
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114c01d1

<400> 10295

gctcgctaga aaaaaaatg agagtacctg aaagaaacaa ggaggtggtt gctatagctt 60
tggaatttcc caatgaaacg ctcaagtatg gtcgtccttg tcatggggct ttctggagag 120
gatcatgtgc ctttgtgaga aaatgccaca gtgacccctt ttgggtaa at aatcaggggt 180
cttgaagagc atttaatgaa catccacggt ccccttgggc gcgatttcca aagcg 235

<210> 10296
<211> 609
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114c02a1
 <400> 10296

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atgacagtgg cactgtctga tattgttggt ctgcggaatc ttctaaagcc aatttgtgac 120
ctgaatgatg caacctcatt atgcagacat cttgaatcct ttacatcctt acgcaagcct 180
atggcatcca ccataaatac tttggcaggt gccctatata aggtcttttc gacttcaccc 240
aatgaagcta gaaaggaact gcgccaagca tgttttgact acttgagcct tggacatttt 300
ttttcaagtg gacccatcgc tctactctct ggtctaaacc ctagcccgtt gaatttaatt 360
ctccattttt ttgctgttgc attatatggg gttggcccggt tgctcttacc atttccttca 420
ttgaacgtac ttggattgga gctaaatagt nttgtgtgca tttggcataa tatttcccat 480
catcaagggg gaaggagtaa ggcaaagtgt tttcccaca tccataccgg cattntatag 540
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ttcaattaa 609
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<210> 10297
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c02d1
 <400> 10297

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cctgcattga gagcataata acaactaaaa cctaaattgt tcaatgctat agtgagttcg 120
gagtttccat aatccaacca cccaccaag ccattattct aaaacacctt cccaagatc 180
tattacatgc ttcagagtaa agagcacaga aacaatgtac aagaaaaaaaa aatgtaaaga 240
aaaagaaaat atttaactta tgggaaggaa agttcaaggc catggcctga cataaataaa 300
atagaatcac ttctaccca acctactaa atgctgctga tgctttgctt ccgccgcctt 360
gtcagcagct tcccttttct gtgccctctt tgcccttctg cctgtgataa ttttcccagc 420
ctctttcttc ttcggtcat gcgaagaaga acttgctcct gaatcctgaa agtttggacy 480
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519

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<223>      Clone ID: jC-gmf102220114c03a1
<400>      10298
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<400>      10299
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<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220114c04a1
<400>      10300
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 agggcaactc gcacgtgcaa tggatgaaag tgtgcaacgt ctttgacgcc tattgtcgcc 180
 acgtcactgc tgcattggtc ctctccctct tcggctccac cgtctttctc ttgctcgtgc 240
 tcctttctgt tctcaaactc cattacagaa caagaagcta gatctcaata tgatacacac 300
 tataatatat atattggtag tgtaattaa ttaattaagg gtgtgaatcg tatttttggc 360
 ttagacctag cttgcactta ttgttgtgtt tgatgaagaa cgccaaagca cttaaagata 420
 tagatatgcc ccaagtagtg attaaattga atgtgggtcg tttgtagtaa atatacttta 480
 gcagatggta ggtcgattta ttnagagag cagtaacagg taaattaata tagctagcta 540
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<210> 10301
 <211> 557
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c04d1
 <400> 10301

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 cataaaaatt gtatgcatgc tagtatgcta cttagtatgc tactgaaaca taaagaaaaa 120
 tcatcgaagg attctaaggt ttattttgtt gtataaacat tagcattaac tccccaaagag 180
 gactacataa aaattgtatg catgctagta tgctactgaa acataaagaa aaatcatcga 240
 aggattctaa ggtttatttt gttgtataaa cattagcatt aactccccat gtttccccct 300
 ctgagcagaa taaaaagtca gcaaactccg gaattcagtt ctgcatcttt ctcaaaaata 360
 tcccacccat catcaagaag agcattgtga tcagctttgg atttttctc gtcatgccca 420
 atcttggaag aaaggctttc aattgagggt gtccagcttg tcttacgtat tccagatgac 480
 tcactatggt cagaaccgc atcagatgcc aatgttttgt gggaagaacc tgatgaagct 540
 aacttgcaac tagtctg 557

<210> 10302
 <211> 489
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c05a1

<400> 10302

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 acgaacccca tgccacacga cgtcgtcaga tcctctccaa ataccctcaa atcaaacaac 120
 tctttggccc cgaccactct gctttcttca agattagtgg agttgttctg cttcagcttg 180
 gtacgggtgc tttacttcat gatgctggct ggctgaagat attttttagta gcataactttt 240
 ttggttcttt tctcaaccac aatctctttt tggctatcca cgagttgagt cacaacctgg 300
 ccttctcaac ccagctctac aaccgttggg tggggatttt tgctaacctc cctataggtg 360
 tgcccatgtc tgttaccttg caaaagtatc acttggagca ccaccgctta caaggtgtag 420
 atggcattga tatggatgtc cctagcctca ctgaagtccg tcttgtgaaa aatattattg 480
 cagaaacca 489

<210> 10303

<211> 446

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c05d1

<400> 10303

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 gcaacgcttc tttccaaaac aaatactagt gccacaaagt aagcaaaaat aagggaaaaa 120
 tatagagtgg ggaaagcaca cacaactaga gaaaccattc cattcacagt cttcaggcag 180
 cgaacggggg gaaacgcgga acaggcttgc acttgagggg gttggccaaa aacacagtca 240
 ccctcccttc ctcagacatg tgaacatgat gggttttacc atcattaacg atccagtcga 300
 agcactggat caaactcgct agcgttgctt gcatgacaag caacgctagc gaggggtccgg 360
 ggagcttct tttccgctc ccaaagggca ggagctgata gtactgcccc ctcacgtcaa 420
 tcttgctttt gcccggtcg tcggaa 446

<210> 10304

<211> 431

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c06a1

<400> 10304

caatgagcag gatatgagtc tgactatata ttggactgga ccatacctaaa atatcagcct 60
gcgcaccaga caaagaaaca aaatcaatca tctccttgaa ctgcagtgcc tagcagtcta 120
gagccagtag tgggtgga aaa acataaagga gtcaatgatt cagctcatgt tactgtaaca 180
aaaatgttgg ccaatgtgga acgtacaagt gcaccacgtg tgcattgctaa gccatctaag 240
gttcagaatc tggatgccaa gaatcatatt gagaaacatg ggggtgaacaa tagtccatat 300
acttactctg ccactaccaa atcctctaca gtaaattgcgc ttgaaaccag aaaggcccg 360
aggaacctca aaccttggac gtgtatatgg gagacatgcc ccgcgtatca agcagatgga 420
gtgcttcact a 431

<210> 10305

<211> 356

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c06d1

<400> 10305

gtcattacac ttcaactat aaagtcagga gtgcccata gaatgttaac atacatggtc 60
acgatagaag actaatgcaa cgatgacaaa aatataacat gaagtttata aaaggagaag 120
aatacggggc aagatgattg ctgcatgaat cgacatcacc aaggaggaca actaatgaac 180
ataagactac aaactggaga ggggtagaat aataaggaac ccaaacggca tatcaacgta 240
ctaaagcgga accgaaaaaa acaaaggact accttatgat cttaacacaaa gctagtacaa 300
atgaagtcga cagaacatac tgaggctaga ccccccaccta agggggagct cccagc 356

<210> 10306

<211> 449

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114c07a1

<400> 10306

ggagcagagg aaaagcgtgt ggcgtcttct tctccggtga atccccaagg atgtaatttg 60
 ggatcagcca ctcatgaatg aaaatcaatc gaattaaacc aaaatacctt tctcactgtt 120
 aattcattaa taataataat accaaatttg ttggttcttt gattcacact tgacacatat 180
 tggctttctc ttcttctac atataaaaag gaagaagcaa agcatctttt tttcagcttt 240
 cacgcctctg tctcttatt ttcacttgtc aactctcttt attctccaag ccataattgg 300
 cgaccaccca tggcaccaaa tactactgcc ttaagttatc gtttgaattg gagggttctt 360
 cctctgggca ctatttattt tattacctat gggcctggca tcatttttga tatggaagta 420
 tgaagaattc aataaatcca ggaatgaaa 449

<210> 10307
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c07d1
 <400> 10307

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 acaaatacat atcacaatta ccccgacaca aaaatgatag tctctaaac actctggggg 120
 gagggatggg gttacaaatt gatcttcaaa gttaaaatct gctttagcca cgatgaagat 180
 agccttactc cgatgactaa tcttcaatgt attatcaccg tataaactga caagagccag 240
 gaaacaattt tgacaaccac aagtgttga acttcattat caaagcaaag aagccatagc 300
 atggaatgtg cattacaccc acaccaaagt accataaggg tgcatatggg gatgacagat 360
 caaggaaagg ataaggccac cataatgaaa cacaagcatg aatgatccac tgaaaaatca 420
 catatatagc tgtccacaaa ataaaatatg caaatcgaaa cactggaaat ctcatgcaat 480
 tcaatgatg 489

<210> 10308
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c08a1
 <400> 10308

aagaatgcc atcttctctg caacgttggg ctcttctact tccatctcct cctccttcct 60
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 cactgctaaa gtcttgggtct ctgcctctgg caatacccaa attgaccaa atccccgactc 180
 tggacttctt caacgcccta ctctccaga cccactcgat gacgctcgtc aggctcggta 240
 gagatcgta gattggaagg ctgcaaagac atatcaagat agtaaagtca tttataatgg 300
 tagggttgaa ggttttaatt ctggaggcct gctggttcgg ttttattctg ttatgggctt 360
 tctcccatte ccacaattga gtccagtgc tgcttctaaa gaaccag 407

<210> 10309
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c08d1
 <400> 10309

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 tttaatcttg aacatttgag gaataagaag atcggatata taataaatac actccatata 120
 tatataatgg catgcatgta actgtacaaa atcgatcgca gagattatcg gaagaaaggt 180
 ctgagtgaat gaaattcagg ggacacgctc caatactcgt tgtaatgccc tcctgatacc 240
 ttctgatca agggatgtag tgagatgtat ctctgcacc tgcaccacgg gacaaaacat 300
 ttgagacatt ttttaaatgt gtatatctag gttaaagtgg cccattccat tgggttaatt 360
 atttaaggaa atttgtcacc tgtcttccag cccgggcaag tagagtaaac ctttggttcg 420
 tgggaggtgc attagaaagc caaagctgca agacttgca gaccactctt ttttcaaacc 480
 cttgacggc 489

<210> 10310
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c09a1
 <400> 10310

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aaagatcata gaagaaggtc ttggctgtct tctaatttat gtagtgtttg gttttggaag 120
 catatatacc actataagcc taagtatagt acggtcatgg aagactattt gagtggggag 180
 agaactttgt ggctgggaga attttatcca agaaaaagat tgcagaacat ggggggttgt 240
 aaaacttata tggtcataaa aatattcctt attttctata aaatttttcg atccgtcaaa 300
 atgattgctt gtgattctat ccatacgoga gaaattggag agtctttctt ttaaggtacg 360
 tacatgttat atgtttggag catatattta attttatatg ccctgcccc ccataaatat 420
 ataaatggaa cgtggggaga tttagatctt aaagaacata tggaatcaag aggccttact 480

<210> 10311
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114c09d1
 <400> 10311

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 attactccag tcttaatatc aaatatagcg aggctaaaat gaacattctt gtctcatagg 120
 ctcataacca acatccaact ttcagagcaa aaaagtacaa atataattgg aagttcaaaa 180
 gtaaaaaaaaa atcatatata tatatataaa gaaacacttt gcatttaatg aattcgtcgt 240
 gatttttttt caaaaagaag cacgtggaga aatttttagc aaaggaaaaa gaggatcaaa 300
 gttaacagtg aagcctatgg attccttatg ctctttaaga tctaaatctc cccaccttcc 360
 atttatatat tgatgggggg gcagggcata taaaattaaa tatatgctcc aaacatataa 420
 catgtacgta ccttaaaaga aaaactctcc aatttctcgc gtatggatag aatcacaagc 480
 aatcattttg acggatcg 498

<210> 10312
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114c10a1
 <400> 10312

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tccatggctc tctcatcccc atccttggct ggcaaggccg tgaagctggg cccatcagcc 120
ccagaagtgg gaagggtgag catgaggaag accgtcacca agcaggtctc ctcaggaagc 180
ccatggtacg gcccagaccg agtcaagtac ttggggcccat tctctggcga gcccccgctc 240
tacctaaccg gtgagttccc aggcgactac ggctgggaca ctgctgggct ttccgcagac 300
ccagaaacct tcgccaagaa ccgtgaactc gaagtgatcc actccaggtg ggccatgctc 360
ggagccttgg gctgctgctt cccggagttg ctgtcccga acgggcgaag ttcggagaag 420
ccgtgtgggt caaggcccgg tcccagatct tcagcgaggg tgggctcgac tacctgggca 480
accaagcct gatccacgcc cagagcatnc tcgccatctg ggccacac 528

<210> 10313
<211> 376
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114c10d1
<400> 10313

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gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca ttgcatctt tgacgctcac 120
tttccgggga cgaagttggc ggcctaggcc cagtcgttga agttgacagg gtcagcaagg 180
tgatcggcga ggttctgcaa tggacccttt ccggagacia tggcctgaac aaagaagccg 240
aacatagaga acatggccaa tcgtgcgcac ttgagctcct tcaccttaag ctcagcaaaa 300
gcctgtgggt catcagcaag gcccaatggg tctaagctgc cacctgggaa attgggtcag 360
tgacctcacc gagggg 376

<210> 10314
<211> 524
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114c11a1
<400> 10314

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ggaaactcac ccataatta ggtagatgg acttacaaca tcaatttccg ctaaaattga 120

002200"CTTTE560

cgaaacaaaa aaaatcttat agaaaagaaa taagtaaaaa agaaatgttt ttccccaccc 180
atcataacat ggctccattc tatagatctc agaatctgaa gtcaggatcc acatccattg 240
cccaacagaa ttctgccagc agagacttgt tgaaaatctt ttcaatagga acttcatgcc 300
gcttgacca ggcaactgta atcctagggt caaggtagtt tatcttggat gtgccccaatg 360
ccacagtttt cagatcttct ttgtcttca tatcacgttg cattttctca atttttgcatt 420
tggtttgaga tatctttttc tctagcattt cgggacccaa gttctttttt ctctttccat 480
ctgaactctt cgagggggct ttcctttcct tgccctgtct aagt 524

<210> 10315
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220114c11d1

<400> 10315

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aaaaagatta accaatcgcc aaagttcaag gcagatctgg cttaacaaaa cttagcatac 120
taacgaatta tttagcattt ttacattcac ttgctcaaaa aaaccaaaaca cgctagtaat 180
attatgtttg agtcagcaac ggagcaataa attcccgaca cataatagta atagtagctg 240
caaacgtggc agatgcttaa cgaaaaacga caatatttac atgcaacca cggtcattctt 300
agctaaagac ttcagcttca gcggtgcctg cttctgggtct cccactgta cagccagtca 360
tagacagtgg gagtgttggg aagtggtttg tcaaacatct gagcaccgat ggtctttgtg 420
gcggagttgc tcccaggatg gaagacgctc ctcaaacgtt gtcagcttta cgggccgatc 480
ccggtgtcgt tggaagtcgc ggagtcacgc gngttgttgg tgt 523

<210> 10316
<211> 478
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114c12a1

<400> 10316

002220 "E" F560

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gctgatctct gattgctacc ttctgagcca aacctggaat ttttcttcac agctttggaa 120
tcttcaggat catcactgct actcttcaaa cttttcttgt tccaaccaa ccagctcttc 180
ttttctttaa ccacaccatt ggcttcagaa gtctcacagg aagctgcaga accattttct 240
tgaccatcaa aggtccatg ttcctcatcc tcgtgagtaa catcagagtt ccccatatgc 300
agggcagaat ctaattgcat tctttcctct gcagtcaata catcatcata ctcatcattg 360
ttttcccat tcatgatgct ttctccatac tccacagcaa aaagttcttc atctgtcata 420
gcacctggaa cccgccttga cttcacacta accatcacat gaagcatgtc ataaactt 478

<210> 10317
<211> 453
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114c12d1

<400> 10317

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atttaatttt tgttatttat ttatttttat tatatttttt atattattgg tttatttatt 180
ttattatatt atattaattt attttataat attactttaa ataatatatc caagaaacag 240
tataaaaaaa aaggaacaca agcaaaaaca aaaagaaaaa aaaaaaaaaa acaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaacaaaa aaagaaagga aaaaaagaaa cgcaagaaca aaaaaagaa 420
aaaaaaacac aaggaaaaaa ggaacaacag aaa 453

<210> 10318
<211> 563
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220114d01a1

<400> 10318

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 ggggtgatga tcaagatggt attaaagatg gagaaagggt attgctttgc ctttaagcgtg 180
 ctttaaggat tgcaaatgct gctcaacaaa tggccaatgc agcaaggggt agcagtggtc 240
 cagtgcgct ctttgttgaa atactgaaca agtacattta ctattttgag aaaggaaacc 300
 ctcagatcac tagttctact atccaagggc ttatagaatt gatcacgacc gagatgcaga 360
 gtgactctgc ttcagctctt ccagcttcgg atgccttttt taccagcaca ttgaggtaca 420
 tccaattcca aaaacagaag ggtgggtatac tgggtgaaaa atatgatccc atcaatgtct 480
 caatccctgc ctaacatata caggacgccc aaatgggaag ttgtatgaaa agccanacat 540
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<210> 10319
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d01d1
 <400> 10319

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 agcaagtaga agaatttgta ggaagattat tcacttctaa atgaacttga tgccactgca 120
 aacactttat aatgcacaag tagtgaacac tgataaacct ttttttattt tgtttttcaa 180
 gatgaagatg aacactcaca acaacatggt tggcttttca tacaacttcc catttgggcg 240
 tcctggatat gttaggcagg gattgagaca ttgatgggat catatttttc acccagtata 300
 ccacccttct gtttttggaa ttggatgtac ctcaatgtgc tggtaaaaaa ggcacccgaa 360
 gctggaagag ctgaagcaga gtcactctgc atctoggtcg tgatcaattc tataagccct 420
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 gtatttcaac aaagagcgtc actg 504

<210> 10320
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d02a1

[illegible]

<210>	10321
<211>	533
<212>	DNA
<213>	Glycine max
<223>	Clone ID: jC-gmf102220114d02d1
<400>	10321

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<210>      10322
<211>      565
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220114d03a1

<400>      10322
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4722

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cgtatggatc taccctgcgg tataagagtg ttgagcgtat caagcctatt ggaaagcatt 240
ctcttcttgg tgctagcggg gagataagtg actttcagga aattttgcgc taccttgacg 300
agcttatacct ttatgacaac atgtgggagg atgggaattc tctagggccg aaggaggtgc 360
ataattatth aaccctgta atgtataata gacgtaacaa gttcaatcca ttgtggaatg 420
cacttgact tggtgggggtg aaaaatgggc agaagtacct tggcatggtt aacatgattg 480
gcattaatth tgaggacaac catgtagcaa ccgggcttgg aaatcatctt gctaggccaa 540
ttctccgtga cgagtggcat gaaaa 565

<210> 10323
<211> 423
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220114d03d1
<400> 10323

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ttctttatag gctttaggaa aagaaaatth acccggttta cacgtgacac taaacggcaa 120
aagcgggctt acagggtttt gaaaattht aaacctccg aagtcgaac caaatccatc 180
accaccttht ttatgcattc cctggttccg gtccattgg ccaatthtth caaccattac 240
acaacctcgc cacgggggtg gtttaagacg aggtcttgc ttgtcaaatt ctgggggtcc 300
cacatcgggtg ggacgagaga ccttctthca ttgggacct gcgcattggg actcgccccg 360
ggtgccttat ccacgggaac ccgacctgga ttacctgggt gcgacctctt ttcgaaaaca 420
cca 423

<210> 10324
<211> 492
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220114d04a1
<400> 10324

0953113-032200

caagagaggg aagcagctgc tctacttgag tggagagtga gtcttgacaa ccaaagccaa 60
gcttctttgt catcatggtc cagtgggtga agtccttgca cgtggaaagg aatcgtttgt 120
gatgaatcca actctgtgac cgctataaat gtggcaaadc ttgggctaaa aggtactctt 180
cacagtctca aattttcatc ttttccaag ctgctaactc tggatattag taacaacagt 240
tttaatggaa tcattcctca gcaaatttct aacttgtcta gagtttctca gttgaaaatg 300
gatgctaadc tttttagtgg ttcaatcccc atttccatga tgaagttggc tagcttgtct 360
ttgctagact taacaggcaa taaactttct ggtaccattc catcaattag aaacttgaca 420
aatttagaac atcttaagct cgcaaacaat agtctctctg gtcccatccc accctacata 480
ggagagtttg tg 492

<210> 10325
<211> 383
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114d04d1

<400> 10325

tttctttttt tttttttatt attttttttt tgaggcacga gataaccact ttggaccgta 60
tatatataga gagagagaat accaagcaca ctgattacag gatgatgctc tctttaagat 120
gggaagccga tcttatcaga tcacataggt aggtggaaat aatatctcta gcaatctaac 180
tagagaaggt cgttcttgca caacacacag cacatgagaa attaattggat acacaatctc 240
attctcatgg tgctcaagat gcatggacta attagcaac aatggtgggc cgataggaag 300
tgccacaga taaattgggt gcccataaaa aggccttgct tccaaggaaa tggcaaacag 360
ggttagttcc atgaacaact ccc 383

<210> 10326
<211> 408
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114d05a1

<400> 10326

acctttttat tttttttggc gcgggatgat tgagacctt cttgtgaaaa tagttgccag 60

cgtaggattg ttacactaaa taatttcctt atgatgatta gatgagcgca gagatgcatg 120
aattgcatgg cttccggaag tcaaaattgg gttgcaaatt ttacaaaggc attctaccaa 180
gcgcgaaaca aggatatatg attatatgcg acgatgaccg ataaagttaa atttgtacca 240
ggaaatgtgc ctacgcttgg ttcaattact tgaggagtta cctgttaaag actttgtttc 300
cactccagta gaaatgttct gacagacctg tttcacaatc gttacgggtg gattgatcac 360
tgatccatta tgcacgtgg cactggattt gaaagggttaa gttttttt 408

<210> 10327
<211> 469
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114d05d1

<400> 10327

ggaatgctta ttttatatct atgcgtttca ctactcgtgc gagaattata cgcaaaaagt 60
gagcaacgaa atagtatact cgagacataa tagttatgca cgggacataa caaagaaatt 120
ttgtatccca gtcactgctc gactgtagtc agacaaacaa ctttatacag attactactc 180
aattccacct atggcggttca aggccgtaca atttgaattc caaaaaacat gtatgtaaga 240
aagaaataac ccatattgtc acagctaaaa tattcattat aaggaaatgc tcggacaatt 300
agcatattaa aagaacgtat acaaaaagca tttcttgcac tagatcggca gctggattcc 360
tggtatgcac ctgggtatag cttaaaaggg gacaactacc taagagacag attagtagca 420
tatgctcgaa cacgtgaaaa tgaagcagat gatagactta tgcacgtag 469

<210> 10328
<211> 478
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114d06a1

<400> 10328

gcaattttct atttttttct ctcatggctt cagattccaa aaaggatttc cctgctgatg 60
acaaagctgg aacagcagag aataaagcat tcaaagatga aacgtcatct aaagattctc 120
cagcagcacg aagagctact acagctactt ctggacctgc aactggtttt ccaggcaacc 180

cttttagattt ctctgcaatg tctggcctgc tcaatgatcc aagtatcaag gaattggctg 240
 aacagatagc acaagatcca tcattcaacc agatggctga gcagcttcag aaaacttttc 300
 aaggagctcc acaggatgct atgcctagct ttgataatca acaatatattt tcaaccatgc 360
 aacaggttat gcagaatcct aattttatga ccatggctga gcgcctgggt aatgcattga 420
 tgcaagagcc atctatgtct gccatgcttg aaagtttttt taatccatca gataaaga 478

<210> 10329
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d06d1

<400> 10329

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 tcttcaaaat catgccgggg gacaataaat gcattacaag aaccttgata acaaattcta 120
 tggggactca cattcaacaa cgttaatcaa tttagtttaa cccacaacgg ttggaagaaa 180
 cccaaagata aattacaaag tcgggccttt ttcccctcag tttccccttt gcttgttggg 240
 gaccgcatgg catcatgcat tgcaattacc gaaagcatt tttctcaagt agcttcagga 300
 cttcattttg attgggttagc ttgcgaacat ctattggagt ttaccatcc atattctgga 360
 gagtaactgc agcaccattt tcaaggggaa gggccacaca ttcctttctg ccataaccag 420
 ctgcataatg gagag 435

<210> 10330
 <211> 497
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d07a1

<400> 10330

aactctgcac caacaatata aattgggttaa agagaggact atatctggag attcatacta 60
 tggctctcac gtgatgcagt atgggtgatgt agggcttagc agagatgttc tcttccatta 120
 tttgggtaca gatcctgcta atgataattt cacttttgtg gatgaaaact ccttatggtc 180
 accttcaaaa ccagtcaacc aacgtgatgc tgatctcatc catttttggg ataagttccg 240

caaagctcct gaggggttctc tcaggaaaaa tacagctcag aaacaagttt tggaagcaat 300
gtctcacaga atgcatgtag acaacagtgt aaaactgatt gggaagcttt tatttggcat 360
tgaaaagggg ccagaagtac tcaacgctgt tagaccggct ggatcggcac ttgttgatga 420
ctggcactgc ctgaaaacca tgggtgaggac ttttgagaac acatgtggat ccttgtctca 480
tacgggatga acacatg 497

<210> 10331
<211> 555
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114d07d1
<400> 10331

aaacacacat catattacta tgtgttgtca tacatgcatt gtaatgagtg gatattccaa 60
agcaattggg ccccttatcc ctcccttaate cttatgccgt aaatggcacc atcccttgta 120
aattgtaatt gcttcttcag aaatagaatt atacaaagggt agttgcaata tctatttgcc 180
aaactataaa tgtaaagacc cttcttccca atcctagtag tgtcccaatt gtatttacia 240
aggtgggaca agatatgtat atacaagtac aaccatgtaa cataatgtaa caataatcat 300
actttgggtc ttactagtgc acattacagg gagttattat gcaactgaaac ccctttgcag 360
agaactccag ggattggaag gaatactgac acaagcttgt gctgaagcct cagccatttg 420
ttcattcttt atccctacat tgcagatgtt tgcaagggac ctcatgtgtt tcatcccgta 480
ttgagacaag gatccacaat gtgtctcaaa agtcctcacc atgggttttca ggcaatgccc 540
gtcatcaaca agtgc 555

<210> 10332
<211> 515
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220114d08a1
<400> 10332

ggcccttaaa ctttcgctct ctctgcttca cttctctgct ttggcatttt cttgggaaaa 60
aaaaaaatcc tcagaacaaa aataggtctt cttcttctct gatctacaa agcttcaaat 120

tctccttagt ttggtttgtc tgtgagtttg gagtgtaatg tcgccgccga cgctggtaac 180
 ggaggaggag gggcggagca ccgtggcgtc cgattcttcg caatccttgg actgtttctc 240
 tcagaatggt gctggattga aagaacggaa ttacttaggg ttgtctgatt gctcatcagt 300
 ggatagctgt gcctctactg tgccaagctt gtgtgatgag aaaaaggaga acatgaattt 360
 gaaggctaca gagttgaggc ttggtcttcc cggattccaa tcgcctgaaa gggaaccgga 420
 tcttttctct ttaagctcac caaagcttga tgagaagcca ctcttccctt tgcttcctac 480
 taaagacggg gattgctcgt ccgggcagaa agctg 515

<210> 10333
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d08d1
 <400> 10333

cacaaatata gtgttagaac cgtatgggtg cggctgtaac agatgttcaa ttcttccaaa 60
 acaaacggat tctataatg attacagact ccacaaatac taatatttca ttgtagcttt 120
 catatgatat tacagtggta acaaattaac acaggaccat gacaaactct tgagggactt 180
 gaaaacaaat aagtggaagg gcgtaaacc accaatgcca ggatttccagt catcatcctt 240
 tgcttttccc attccggagg atccaacaat aaacacttga ttagacaaaa gaggaaatcc 300
 aggataccct aaatcctgct tttagacttt accatggccc tgggagctaa accaatggca 360
 tcagaacctt ataatttcag cctttgcaaa cttcatggaa cctttttccc aggggcaata 420
 cccttaaagg tttcaaatct ccattcttat cttcataagt gagaacatac tcagaaccat 480
 gcagaagatc cctcagcttg ctctcactca acatttctct tcttgagct ccattgggaac 540

<210> 10334
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d09a1
 <400> 10334

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tttctaattc tgagactgaa atacaggcta ctttactgc tggtaattaa cctgaaaatc 120
 tggaggatca taacagtcaa ggagggctct attgtagagg ttttcaaaga cggagaagga 180
 ttcacagcag catggtacac agacagcata tcaaactctga aggacggtat agcttatgca 240
 tgctatgtag tgcttcttga tgatgaaggt gcacgacctt tgaaggaatg gatttccctt 300
 gtaggtggag aagtcacatt tacgagaata cgtactaatg atcatcttcc tggcttgcac 360
 aatgacggaa caaggaacag accgagggca gatatggtcg actatactgg aactggagat 420
 gatacggacg acgctttcaa cgtagaaa 448

<210> 10335
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d09d1
 <400> 10335

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 ggaacataga taacaaacct tactatatgc aagccaacac attaccact ctattctata 120
 catcatgggt tgagctgac ataatggata caacgtacag tccgtatata ctgaagctgc 180
 atcaattgag gatggaccgc tgcattccagg aatctccatt ggtatgttcc ctatcatagc 240
 agtcatgata gggatccaca tgtatgccaa gcgagctggt ctgtcaaata aacacaacag 300
 ttgaaccgc caacactagt taaaccttgg tgaaaccccc tagaacatta tcgctcacgg 360
 tgtttgagac cctctccatg tgcagcggaa ggaaactcta taggccgatg aacatat 417

<210> 10336
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d10a1
 <400> 10336

cgcggttca accttgtagt tattctcttt cttctttttt agctatccct ctcttgaaaa 60
 atctagatct cgttcttctt tgatctacgt tacgctttta gtgaccggat ctgtatggat 120
 ctgaaccaga tctacacgcc gatgggtggt ttggcctggt ctttcataga tctgatgcat 180

ggaggctcag atctactgta cagagatact gtagataatc gatgagaaga acgcagatcc 240
 agccgcttcc gcttggttca tcgctacaga cgcttgatc ggattattca tgattgattc 300
 ataagcagca tgtcttctc cggtatagt tgggtgcagat ctcggatgtt gtaaaattag 360
 tgtatgatgt gaagctatgg gctggaaaat gtggatgtag gagatttcgg gacgaaaggc 420
 ctcaaaacgc ttcgtcggtt gtggttactg agtcctgagt gatcttgta tccgaccttt 480
 gccatgacag gtgcgcttgc ttgcagggtca aatatgttaa ta 522

<210> 10337
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d10d1
 <400> 10337

ggaccattaa agattaaaac tactttactg ggctgataat atattttggt ttggctcaat 60
 taacatctaa accgacaact gccatgattt tccaattatc catgcgtctc ggaacaatat 120
 aaacatcagt agatataaat acataaaatt atgtatacat aaagaataac taaaataact 180
 taataaaaaa ctacgtatac tgaatttctg aaatacataa aaactgtaga tacagtataa 240
 ttataaaata aaaacacgat ttttttaatg tgttcctgc ccacgtttaa actttcttgt 300
 ataacaaaac cgttcgtcat ccatcaatag cagataacag aaacttatca attgaattgc 360
 aaattgaact cgaaccacaa gtgaaacctt gaaaatagga aaggt 405

<210> 10338
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114d11a1
 <400> 10338

agccaaaaaa aacatttttaa ttgcaaaata ccaccagtaa agcagtcaga attgagttat 60
 atcccaattc cagtgggaatt acaaagttct atttagaata tatagaaaca agataccaat 120
 aaaccatcaa aagaaaatga gaaacaaaac tgtatcataa tgacattgtc gacaaagtta 180
 acacttgctc tagaaagagt tcaaacaggc aaaataataa aagacaatta acatgacaac 240

tctaataaaa tttgtgatta actataacca ctcaaacta aaagtcctcc aaaaagatgt 300
 ctcattgggt tgttcaaatt caagcctttg aggccttgctt ttcctttgcc ttctggatct 360
 tcaagacctt cttcacaatc ttttgctctt caactaagaa agctcggata atcctctccc 420
 tgacagcact tccagacaaa actccgccat atgcacgggt gacagttcta cggtttctgg 480
 gtaaccttga tc 492

<210> 10339
 <211> 365
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d11d1

<400> 10339

ggggcgaaaa aaaaaaaaaa aaaaaaatgg acctttttaa aaaaaaacga ggggaaacct 60
 taatcccaaa aaaaaaagg ggcccccaa gaaaaaaac caaacccaag gggaaggggg 120
 aaaaaacccc caaaaacggg gggaaaggga aaatgggggg gggaaaaaaa aaacgaaaaa 180
 ggggggaagg ggggccccaa aaaaaaacgt agggggacaa acaaggggca aatccccggg 240
 gagagtacca aaagaaaagg ggccgggccg gggggccaca agagggggag ggctcgcccc 300
 aggggggggg ggggaaaact ggcctagcca ccccggttc cccccctggg ggacaaaaat 360
 ccccc 365

<210> 10340
 <211> 387
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d12a1

<400> 10340

aaaaaaaaat ttcttggtct tttttctcca ggggggttat tttcaccttt tgcttcacac 60
 aacatgggat ttccaaatcc cccgcaaaac ccccgggccg accttttcaa gccatcatga 120
 aagaaccgga aaaaaaaaaa atttgagata taacaatttt tccttgtaa gcaggatccc 180
 gggcccgga tatattagg ggcccaacta aaggcagggg ccaagttgcc cctgggctta 240
 ggggcttgaa accgggccct tacctagagg gggacagctt tttttatttt gaagggttt 300

aaaggggtcc aaaccttttc cgaggagggc ttacaccccc ggggcctact gggaaatggg 360
 ggagggccct ttggggaagg aatcatt 387

<210> 10341
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114d12d1

<400> 10341

ctcttcccc ggggcaaaac atcccggccc cccaacacac tctccccccc ccccccaact 60
 gggggccccc ccacggggc cccagcgcc ccccggga ccccccccc accccacccc 120
 ccccaaaacc cttagccgg cccccgcca acgcccacacc cccatctggc ccccccccc 180
 ccccaatcc ggcgaaaaac gcccggaacca ccccatgct accgagcgcc ccttgcac 240
 ccccccttaa agcccgaaac cccccccct acttccaccc ccccgggcac aaaacccgaa 300
 aaccccgctgc cccctcctac ccccccccc ccagccgggg gcgccccccc acccccc 357

<210> 10342
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114e01a1

<400> 10342

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 atccttcaca tccaggggtg ccaatgcggc aaccagatcg gcgccaagtt ctgggaggtg 120
 gtttgcgcg agcacgggat cgacccact ggaaggtacg gtggggactc agagcttcag 180
 ctcgagagga tcaatgtcta ctacaacgaa gccagctgcg gccggttcgt gccgcgcgcg 240
 gttctcatgg acctcgaacc gggcaccatg gacagcgctc ggtccggggc gtacggggcag 300
 atcttcaggc ccgacaactt tgtgttcggg cagtcgggg caggaaacaa ctggggccaag 360
 gggcactaca ctgaggggtg tgaactcatt gattctgttc tcgatgtggt gcgcaaggag 420
 gctgagaact gcgattgctt gcaaggtttt caagtgtgcc attctctggg aggaggaact 480
 ggatcaggaa tgggtacctt gttgatttct aagatcaggg aagagtaccc agataggatg 540

0022E0"ETTES60

atgcttactt tc

552

<210> 10343
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114e01d1

<400> 10343

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 cggaacaaca cccgaaccga ctttattgaa cagttatgca aactagacct acccggaaca 120
 aaacccttcc ctgaaaagag acaataatga accggcaacc ggaaattgca gcttggtatc 180
 catattgttg tctaaaggcc ccggaatgaa ccacacccaa ggggaaattc acatattatg 240
 gtggggaaac cctcctcgt tcttttcttc ttaaaactca acctcatcag cagggggatt 300
 ccgggactgg ggaaactccg acaccagatc ggtcatgggg gtctcaacct ttgggaactc 360
 cattttgtcc atggcttccc c 381

<210> 10344
 <211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114e02a1

<400> 10344

gaagaattaa caaagtcaga agctgttgaa gtactcagga ctactaaagg aattcttttg 60
 gatcttagca agtcccccta taaaacaaga aggacctcca ttgattcagt tctagagaac 120
 ccaaaatttc agaaactatt tccatctttt gatgacttac tttgtgctct ttttctgggg 180
 aaaaagttga atacagatgg gagagttgaa atttgttttg ttggtgacct ttagtaact 240
 tcttttagcat tgctgtttgc gttagatgct ctggatgaca tgatttacia tcttaacaag 300
 tgtgaaaact atgggaaaga tatgtttctg ttgccacttt taaagttaaa tagaatacat 360
 tctggttcag caattgcaag ttcagaggag ttgccttttg ggattataac atcagcattt 420
 gatggcactc gaatgtctaa atgggaagaa ccaaattggag gaagagggtg ttgggtcgtg 480
 tatagaacat ttgataacaa gatgtttgag ctcgcaacat atgagttgat 530

<210> 10345
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114e02d1

<400> 10345

aaaatcaatg cggtcacata tatatagctt ttttaataaa acattgacca gtataaataa 60
 tattactgtt atgtatgggc agtaatctca agccaggaag ttttagtttt gcctcctcat 120
 ttcatccacg gtgatgggct tccttttaag gcatagacaa atttaatctt aattttcttt 180
 ttcttataaa ataagacata gacaaaagaa tttgctcaac tatgctcaca atttacctat 240
 atttcatata gatttttttt tcttttatct taatttttcg gatcatcgga agaaggagac 300
 cttaactatt tcgtaattta gtcgggaggt aattaaagtc tccggatttc atatagattt 360
 tgcatagagg tcaatgctac cgatttgcag ccgggaatta gactgaatat ctctgactgc 420
 cagaaaccta aacctgaaaa cattacatgg aaaacttgca gaactgattg tgtatgttct 480
 gcgctgga 488

<210> 10346
 <211> 380
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114e03a1

<400> 10346

gagaaagaag gcctccttca gctaccttct gacaaggcac ttttgtctga ccctgtgttc 60
 cgccctcttg ttgagaaata tgcacgggac gaagatgcct tcttcgctga ttacgctgag 120
 gctcaccaaa agctttctga gcttgggttt gctgaagcct aagcaacgtt ttggggattg 180
 ttggagaggc acggtgccca taatatttct ctcataaatt ctatggtcac ggtttctaata 240
 gcgccactgt gggttcctca aattttttaga tagcttttga atgtattttg ctggacgtgg 300
 tgatgatgat tggagtggg ttgtttttat ttgtggtcga tccttttgtt aaataacatt 360
 gttcagcgat tgcgatattt 380

<210> 10347
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220114e04a1

<400> 10347

gtggcagtc aattgtaatt tgcaacaagg gcatctaaac ccagaaccca atcatctttt 60
attgcaaact tttgtgcatt ggaatttgga ggccataaaa aagatgcgat gctacacgca 120
aacaagtagt acaagtccaa taagaaaagc aagatagaaa gattggctag ttcacacacc 180
tcaattaata caacaacacc ctgttgctga tagttattat agagagagtt cgatcaattc 240
aagcttgcaa gcttaaccat ggaacggtat gagataatta aagatattgg gtcaggaaac 300
tttggtgtgg caaagctggt caaggaaaaa tggagtgttg aattatatgc tatcaagttc 360
attgagagag gcttcaagat tgatgaacac gtgcaaagag agattataaa tcataggtcc 420
ttgaagcatc ccaatatcat tagatttaaa gaagtgttgc ttactccaac tcattttgca 480
atagtcatgg aatatgcttt cggnggagaa ctgtttgaaa gatatgcagt gctgggag 538

<210> 10348
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220114e04d1

<400> 10348

aaaagancaa aatccaaatt tcaccaggt tgatgggata attattactt ataacaataa 60
gttaaaccga agataataat tattatgaaa aaaaaaaaag gagagggtccg ggaaagaaca 120
aagggggggg gggttatatt ttgggatttt ccaatggaac ccttaagtat tgggggccct 180
tgtaaggggg tttttggcaa aggatattgg gattgggggg aaaaaggcca aggtaccccc 240
ttt 243

<210> 10349
<211> 481
<212> DNA
<213> Glycine max

002220-032200

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220114e05a1

<400> 10349

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atagggcgcg tttctttgat cgatctcgct gacgctactg gagttgactt gtactacgtg 120
gagaagcagg ctgagagcgt tgtaacggaa caccgagaac tgatgttgac tcagggagaa 180
attatgtcgg agtcttattg ggactcaatt gcagaagaga ttaacgagag gcttcaggaa 240
tgtagtcaaa ttgcgctgac ggaactcgca gcgcaattga acgtaggttt ggacttggtt 300
tccaccatgt tggagccgcg ccttggaaca attgtgaaag gaaggcttga aggcgggcag 360
ttgtatactc ctgcctatgt ggctcgtggt ggtgccatgg ttcgtggtgc tgtgcgaggc 420
atcacggttc ccacannatt gactgtggtg tggagctcat tgcagcagtt gctgcaagaa 480
a 481

<210> 10350
<211> 475
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114e05d1

<400> 10350

gtaaaaatca agtaacatta agttggattg ggatacacaa gataattcac attatctgaa 60
gtacattgca ataacatata cttcaccaaa cacaatcta aaaactctca aaagtccaca 120
agtcatectt ttctttcatg ctcaattgcc ggggacgaag ttggtggcgt aggccaggc 180
attgttggtg actgggtccg caaggtgatc agcaaggttc tccaatggac ccttaccggt 240
gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag 300
ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
gctgccacca gggtagattg ggtcagtgac ctaccgagg ggcccaccag caatacgata 420
accctcaaca gcaccatta ggataacttg ggtggcccac atggcgagga tgctc 475

<210> 10351
<211> 256
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114e07a1

<400> 10351

gtgcatacat atctatctat ttatctatag caagtgcgtc aagagacacg tggtagccta 60
gctagagtgc cattctgtgg tttctttctt tctttctttc tgcatacat cacaatttgc 120
attgcctcgt gtcctttttc ttctttgctc tccaaaaatc tcacacacac aggtatctag 180
caaatgggtt ctcaccaaca agaaccatgg ctattggaga atgggaaacc aagggttttg 240
accaaggaga ccaggc 256

<210> 10352

<211> 529

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114e07d1

<400> 10352

gatgcatgct ttctttttca cagataaaaag attgtcacgg tcgaggaaga tcaaggtttg 60
gaccatccaa ctacaactca ttgaatgtga ataagtgtgg gagttgaatt agttcaaggg 120
caacctcatg caagagactc ccattacgag agtagctata catgtacaaa aaattcttta 180
gaattttaat ttgtaataat tacacgaaaa cgatttttct tgagtgtaaa ctcatacat 240
tctcaaataa aaattaaaga caaatctgta gaagtatcaa aaaaattcat ttaagaaact 300
gattttttct aataattttt ttttatcagt tcatatacca tttaaaaatt taacctactg 360
atcttatatt taaaagatga agttatttat cacattttta taattacttt gaatgattga 420
attagttgag ttgatgaatg attgagttag ttggaactga gaaaacaatg caaacatgtg 480
caacatcaac aacaactaat taagtggagt gatgatgaga gggactcac 529

<210> 10353

<211> 484

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220114e08a1

<400> 10353

tgggacagtc accgtccacc accgcccgcg ctccgccaga cctcaaccgc caccaaattc 60
 ctcagatata tccaaacacc gattccgatt tcaccgatta caccctccgt ctctccgacg 120
 attgcctggc cgcaatcttt catttctga gcaccgtcga tcggaaacgt tgctctctgg 180
 tctgccgccc gtggctccgc gtcgacggcc agaggcggca ccgtctctcc ctcaacgcac 240
 agccggaatt actagacttc gtcccttccc tattcaaccg cttcgactcg gtgacgaaac 300
 tcgctctacg atgcgaccga aagtgcgcga gcataaacga cgacgctttg gttctgatct 360
 ctctgcggtg caggaatctc acgcgcctga agctgcgcgg ctgccgcgac ataactgaac 420
 tcggaatggc cggcgtaggc gaaaactgca ggccttgaag aagctatcgt gcgcgtcgtg 480
 catg 484

<210> 10354
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e08d1
 <400> 10354

aaaaggaac caaatTTTTt gcagTTTTta ttttTTTTt tggcaactct gcagTTTTta 60
 tcaaaaaaaaa aaaactgcac tgtaggaaa taaaaccgac cttttaccaa ggggtataac 120
 cataacaaat tggaaagggc cactcagtga gggtaactga caaatctagt caacaaaaaa 180
 aatgctgctg ctatcagcaa ctaacctgaa aaacaaaaaa tcccatagca accctgcaaa 240
 aaacaggcaa tcgacatgag aaccactatt atagatatgg gggaatgccg acttggaaca 300
 aatgtggctg ctggcttgct gcttttttac taacattatc caaaactggg gctactggag 360
 acattatcac cgtagacca ttttttgaag gccccggta ctaaatttct accagccaaa 420
 aaccaaaacc ttgagcttaa cattggcaat cgg 453

<210> 10355
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e09a1
 <400> 10355

gtgcagcatt tgttcagcta attgaagttc gcccatcttt cttggagcca catttacgga 60
 atgttattga atacatgtta caagtcaaca aggatacaga tgatgaagta gcccttgaag 120
 cttgtgaatt ttggtctgct tattgcatg ctcaactgcc acctgaaaac ttaagagaat 180
 tcttgccccg tcttattcca gtattgctgt caaacatggc ttatgcagat gatgatgaat 240
 cagttattga agctgaggaa gatgggtctc agcctgatcg agatcaggat cttaaaccctc 300
 gatttcacgt atcaagggtt catggatcag atgaagtaga agacgatgat gatgatgttg 360
 tcaacacatg gaatttacgg aaatgcagtg cagctgctct tgatattctt tcaaagtgtg 420
 ttggagatga gatccttcca actcttatgc ctattgctga ggctaagtta tctgctggtg 480
 gggatgatgc tcggaaagat agggaagctg ct 512

<210> 10356
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e09d1
 <400> 10356

aactaattat tgtctcaatc aaaatttaaa tgatgcgctg cctgaggcaa cacagttgaa 60
 attgattttc aagttacggc tcacacaatt taacaactaa atacgctgga aaatacaagt 120
 cagatcatat cccccccct ttaagcgctc ctgagtctct ttctatctct ggtgggacaa 180
 aactgtgtaa ccaagacaca acctattaac ttaaaaacgg aaaaatattg aaaaactgtt 240
 acgactatca caatggctga ataaaactgc tagcttttaa ttaagggttt aactttta 298

<210> 10357
 <211> 559
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e10a1
 <400> 10357

tttccaacac acactttctc tctctatctc tctctctctc tctctctggt tgtctttcat 60
 tttgttcatt gttgttgatg atgtcacgcg cgcctgtgtt attacacgcg caggaggagg 120
 aggaggagga gtgtagtact tcgacgtcgt cgtcgcgcgc gaggaacagc gacgtgtcgt 180

cggagagatc aatggaggaa ggagaaaacg aggtggaaag tgcctaccat ggacctttgc 240
 atgccatgga aactttggaa gaggttcttc ccatcaggag aggcattctg aacttttata 300
 atggcaagtc taagtcattc acaaccctgg ctgatgcagt gtcttcccca tcagtgaaag 360
 acatagcaaa gccagagaat gcatacacca gaaggcgtag gaacttgatg gcattgaacc 420
 atgtcttggga caagaataat agaaactacc ctctaagaag cagtgggtggg ggcatttgca 480
 agagatcaat cagcttgagt agaagctctc tagctcttgc agttgccatg aacaactctg 540
 acagcagtag tagtatcac 559

<210> 10358
 <211> 574
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e10d1
 <400> 10358

gctctaatta ttggccaggc atatcattat atcttacgga agttaatctg aagtgatcgt 60
 acgtacgtaa aggcattgct tctacaagtt tttgctccct caaacaata ggactagagc 120
 aagatattca ttcataaag ctaaaagtta ataacatata gtttggtatc ctctttgttt 180
 tttttttttt tactatgatg gatgagctgt tttatttcca acggaggggac ttgaaatctt 240
 tattgttgca gcaatggcac aatgctgctg tagatcagcc acggaaaatg atctccaggg 300
 agagaaattc cgcaacaaag gagaggatgg acctgagccg gaagaagaag acactctatt 360
 tcgggggatgg agaggcggtg gaggagaggg agagtgtaac gaattcgagc tggaaccaga 420
 atcttcgctt gtgatactac tactgctgtc agagtgttgc atggcaactg caagagctag 480
 agagcttcta ctcaagctga ttgatctctt gcaaatgcca ccaccactgc ttcttagagg 540
 ctagttctat tattcttgtc caagacatgg ttca 574

<210> 10359
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114e11d1
 <400> 10359

003360-ETFE560

gattaacaat catcattcaa aaaccacaca tgataaaaact ttgtccaaaa gaaaacgaaa 60
aagtgcacat catcaaacac gatataggag atatttgaca cactctaatac atcaaacacg 120
atataggaga tatttgacac actctaataa tcatcatctc cttcaccatc atcatctcca 180
tcaccagact cggcaccaac ctctcataa tccttctcaa gagcagcaag gtcctcacga 240
gcctccgaga actcacctc ttccatacct tcacccacat accagtgcac gaatgccctt 300

<210> 10360
<211> 594
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220114f01a1

<400> 10360

tgaagattga aaagaattct gaaaaaaaaa attaaactaa gaggttcctt ttcgcagtta 60
gtggcactgc atgtggtaag gaatcactca gtttaacttt atatatgcat atcactcctc 120
agtcacctat catatacccc ttctccttcc ctcttataa catcactgat ttctcaacac 180
ttgttaaacc ctctccatct tttgcatgtc taagaacttt ttttccaaat tcagaataac 240
aatttgacat ttcactcagtc tcgattcata ggacaaatgg gtgaggaagc aaaacaggag 300
caagtacaac cagtggctga agccaagcct gaggagaaga aagaagagaa ggagaggaa 360
aagccagcag aggaaaagaa ggaagaaaaa ccagaagaaa agacagaaga agagaagaag 420
gaagagccta aaccaccttc accatgtgtg ctgtttgtgg acttgcatg tgagggatgt 480
gccaagaaaa ttgagagata cattatgaaa atgagaggag ttgaaggagt ggtaattgac 540
atggctaana atgaagtgc cataaagggt atagtggagc ctgagcaatc tgca 594

<210> 10361
<211> 313
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114f01d1

<400> 10361

cacaagcatg tgcacaatga tgatgtatta ctatttgtaa taataatata tcgtacatac 60
ataaataaga cagaacgata tatcatcaat cagcttgtaa tcaatatgat tccatgccat 120

ttcatttgac accttctccc attccaccag cccaactcaa taaaaaaatt tcccatattg 180
 gtggtgctta caaacaactt tgaaaccttt ttctcattcc tatgatgac gtttatacaa 240
 tgcagcatgc attaggattt tcatcactga agaactgtgg aggggggtatt ctttcaatga 300
 cagagagtgg agg 313

<210> 10362
 <211> 593
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f02a1

<400> 10362

ttaggctact gcaatggaat gaacaaaaag cagtcaaat ccaaactttg agtggtcata 60
 ttttgagac aatttcgagt gcaaggttct tattgtttca atatagtgtt gtgtataagc 120
 tgcactctac tggaaacaat acatcacttg cggggattgc cacctggact ggttcctatt 180
 tcagaacctt actttgatgg tgagttgcct gaggtggagc ttattgttgt agacacaagc 240
 aagtttgatg atgcaacgac tccagaacct gaacatacta ataaggaaga caagtctgaa 300
 ctttacaagc caaaagtttc tacctgggggt gtcattcgta gacctggcaa tatttcaaaa 360
 acatttggtg gtggaagagt tatatgcccga ggagaggttc tagagagcaa agaagaaaaa 420
 gttgttaaag aagcacgcac aaagcagcta cttgctgcct acaacaacaa aactggatta 480
 aatgttgatc caaagctgaa atctgagtgc gaggagctaa gcatatttag tgatatccaa 540
 atattacaac cattctttcc ttcttttatt catggctttc ctttttatgc aca 593

<210> 10363
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f02d1

<400> 10363

gttctatcat ttatgcgcta tctgtcatag ccatgaatgt caatgaatac aacgagcaat 60
 agctatgaca gaaaaaacgc ccaacaatgc gcataaaaag gaaagccatg aataaaagaa 120
 ggaaagaatg gttgtaatat ttggatatca ctaaatatgc ttaactcctc gcaactcagat 180

ttcagctttg gatcaacatt taatccattt ttgttgctgt acgcagcaag tagctgcttt 240
 gtgcgtgctt ctttaacaac tttcgcttct ttgctctcta aaacctgtcc tgggcatata 300
 actattccac caccaaagt ttttgaaata ttgccaggtc tacgaatgac accccaggta 360
 gaaacttttg gcttgtaaag ttcagacttg tcttccttat tagtatggac aagccctgga 420
 gtccttg 427

<210> 10364
 <211> 611
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f03a1

<400> 10364

tcttgtgtcc caccctgcat ctgagcagag ccactctggg tcactacaat gccattgtta 60
 acttcctctt tgtttcacat ggctcctctc ttctctcttc ttttactctc actcatgatt 120
 cgttatggta cttctcaggg tccaccttca cctggctact accctagttc caaaactaat 180
 cctgttagct ttgatgaggg atttagaaac ctttggggac ctcaccatca gaaactagac 240
 caagactcgt taacaatctg gcttgactcc tactcaggga gtggattcaa gtcacttcac 300
 tcttatcggt ctggatactt tgggtgctgcg attaagcttc aacctggcta cactgcagga 360
 gtcataacat ctttatacct ttcaaacaac caagactacc caggacacca tgatgaaata 420
 gacattgagt tccttgggtac cagccagat aagccatag tcttgcagac aaatgtatac 480
 atcagaggaa gtggagatgg gaacattata gggagagaga tgaggtttca cctttgggtc 540
 gacccaacac aagattttca caactatgct attctgtggg aacctcagtga gatcatattt 600
 ttagtggatg a 611

<210> 10365
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f03d1

<400> 10365

aaacaatcac caaatagcta gcgaaaaaga agtgtaaaat taaggtaaag agttatagca 60

ttcttggcat gacatgagat gacaatatag catataaacg aatggaagaa gcatggggga 120
 atgatgatag agttgctcac aaatcatagg gttgcttgcc agtgaacttg acctcaatag 180
 gactaacatt cttaccaata gacctgaagt tctgaccaac cccttggcgt cgggcgttga 240
 ccttctcagg gtacacacca tccttgggggt gcaaatactg aacctcccca ttggggaaga 300
 ccctgtaaaa ctggtacttg atcttgtact ttgacctgag cctagtccca agagccaagc 360
 actgctcctt cctcgccaac ttgagaaggt tgggaccctc cctcatgatg gcagcgccgc 420
 cagtgggcat ttaaagatct gttctttcgg ggagtcccat gtgatgacat aaaactcctc 480
 cacttgggcc ttgcgc 496

<210> 10366
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f04d1

<400> 10366

accgcggtgg gctccagctt tgtcccttta gcgagggttt attgcgcgct agaaaaaaca 60
 tgacataccg gaaaaaaciaa ggaggtggtt gcatagcttt ggaatttccc aatgaaacgc 120
 tcaagtatgg tcgtccttgt catggggcctt tctggagagg atcatgtgcc ttggcgagaa 180
 aatgccagag tgacccccctt tgggcaaata atccgggggc ttgaagagca tttcatgaac 240
 atccacggtc cccttggggcg cgattcccaa agcggggaga acagt 285

<210> 10367
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f05a1

<400> 10367

ctgcgagctt acatcaaciaa gagtgagtta gagaagaaga agaaagagca actcagtaac 60
 gacgatgctg gagttggtgt tggtgtacaa gaaccattg ctccacacat ccctaaccct 120
 aatcctcgtt ttcaccttgc ccttcttcaa gatccccctc ttcttctcc acggcctcca 180
 gacctacatc caccctgact cccaaccca atccaacaat ggctccgag cgcctatccg 240

ccgccccggc agcatcgaca gctaccaacc cttgtcttcc aaaaccgccg ccgaactgaa 300
 aaagcggaac aagtccaaca acaagtccga ttctgatgaa aacaatgctc agatcttcag 360
 aatcacgctc gaccacgccc acctccagtc ccgtctcttc atcgatcagt actgcgctgc 420
 ttctactctc tccttcgctg ccctttccac ccttttctc cacaccttcc tcgattcccc 480
 cagaatcgtg g 491

<210> 10368
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114f05d1

<400> 10368

ggaagagaac cttcttgcac ttcttccata ggaagtacaa agagaaattg tcttgtagtc 60
 taatgtttat ttgatcagag ggcaaacaca tgaactgttt ggtaaattgat gaattaacaa 120
 aatattcggt acaaacagca acaattcaat ataacaacaa gcaacctatc tttaaattgca 180
 atacaagatt tataatgaaa atgaagcaac ctctatattc acaacaataa tgaaataact 240
 ggtaacatgg agtcctatgt ttttatataa atactctccg gctatatatg aatctacact 300
 ccaacagcaa cctcatatga tacaatctca ggtggggatg agttcaagac cagtgcacaa 360
 ttctgatcaa gttcattttt ggattctagc tccatgtcat tntgggtattc agaattgtta 420
 actgatggat catggcattc ttcatgtttt cctgtgcctg cttttgcac ttggttgact 480
 ttagtgggct tcacagaatc cttttcagtt tttctgattg cacttttctg agactgcacc 540
 ttggcttgaa ttttttg 557

<210> 10369
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f06a1

<400> 10369

cgcgctatca ctgattagaa cctaattgaa caccaatatt gtaggagttg tgtactaaag 60

tgaaaagcta aaaacattta gagaaaatat aaagggcaag caacaattcc ttgcatgta 120
 ttctagtatt tttggtggga taacaacaga cccagctgct atggttattc ctatggatga 180
 ccacatgggc cacagaggcc acggtgtcct tgatactgca gcaataatgg atggatacct 240
 atatgagcta gatcaacacc ttgatcgctt ttttaaggta gcatccatgt ctaaaataga 300
 tccccattt gatcgaggaa gcataagaag aatactcata caaactgtaa gtgcttccaa 360
 gtgtagaaaa ggatcactaa gatattgggt ctcggcagga cctggcgact ttcagttatc 420
 tccc 424

<210> 10372
 <211> 565
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114f07d1
 <400> 10372

gaaaacttag ctccatggaa tagagtttct tataacacta caagctctaa aaaccattag 60
 acaatgaagt tattaatagt cattcctccc tgtagaagta ggggcatcac aactactgat 120
 taatcttcat tacaaaatga agagaaggaa ataaagttgt gtcaataagg aacaggtata 180
 cgaacagtgg agggacctga tttcatgtcc tcaacaatta gatttaagag agcctgcgtt 240
 atagggcctt ctttgccatc accaataacc tgctcatccc attgcactac agggcaaaca 300
 agaactccgc tgccaagaag catcatttca tctgcttgct taccttcctc gacagtcaca 360
 gttttcacc ttatcccttt aagcttacc tcccttaaca agctctcagc aagggttaaa 420
 actctcttag ctgtgcagcc acttagaatt ttgtcaaagt gtggcattat aagttcctta 480
 tctttagtga caaaggccac attcatatta ggcccttcag caacaaaacc ttcaccatca 540
 agccaaatgc ctacaaaagc accag 565

<210> 10373
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114f08a1
 <400> 10373

cagagatgct acaaccaatc aatagtcac atcttcagaa aaaaaaacca cttttttttt 60
tctaaaagga aaaaaaatc cgagctcaac gagctaccca aagcgatttt gattcgcggg 120
cttttcattt ctgtataaat cttcaatctt cgaggaaaat aacgctaccc catctgttta 180
taatcatatg gggcacaagt gaacgaaaaa gaaactgtcg agaaaattga gggttg 236

<210> 10374
<211> 528
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114f08d1
<400> 10374

gttaagttgt acacctcagc catatcataa ctaatcagct gaacttatta agaataatgc 60
ccccggtcag gtttcttaga gatgacaaat gaaatcctta ctttaataac aaaaatgttc 120
aatgcaagct cttccaatat aaccaattcg cgtagttcac ccctccatgg aactggactt 180
tgatcagcag aaccagcaac tcatagaact ctgggtggcag cgaaaatata ctgcaaaaaa 240
ttatatatag tctgatctga tccttaaagg ggttcaagag aagtgtgtct gagtggaact 300
gcggaattac attgtgcttc attcataggg gtaacttgat tttctcagac cacttgaaga 360
tatcagaata cactttatca cctcctagat cttctccttt ggctccagca gccactctta 420
taacatcttc aatcaatgca aagtttccca tgatgtcaac atgagcacca ctttgtgtgc 480
cccttccttt agaggttggc tggaggagaa tgatcatatt ctctaacg 528

<210> 10375
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114f09a1
<400> 10375

aaaaaaaaat tgtgggaaat tttttttaa gtaaaaattt ggggccccct ttaaccttgg 60
ccctaaaatt tgaaaaaagg gttttttcac attaccccag gcccttcccg gggtcccccg 120
gccccaatgg gcccgcccc ggggcccccc gaatcaccct ttttggggaa aattcgggct 180
tgcaccgacc ccccttttgt taaaacaaaa aaaaaggggg cgggccaatt aaaacccct 240

tgggttcttt ttttgaaaaa cgggcccttt cgggggttct taaaaaaga ccccgggggg 300
 aggggtaaaa aaaccgaaa gggggggaca tccgaagggt ttttttct aaaccgggcc 360
 ccgaaaacc aaggaagcgc gggccctaaa agggccctc cccgggggtg ggcccagggg 420
 cccc 425

<210> 10376
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f09d1

<400> 10376

aaaaccagga agggcccaa cgggaaaaa aaaacctaag gccccgaaa ttacaccatc 60
 cccaaaacc caatatcggg aaccggaaaa ggcgtccga acgcccac cgccgcagg 120
 gaaaaaggcc ccccgggcc cagagtcctt cccaaggcc ccgaaaacc ctaaaggggg 180
 gccccccga ggggcaaaag acccctttca gggccggca aacacggtaa ttttccccgc 240
 cctttaattg ggccccccc ttttaccggc cggggggttc cccccccaa aaaatggcc 300
 caaacgggc accctggaa aaccggttg cgccatgag aacctgggag cggggcccc 360
 ctccgaaaa acccgggg ttctaaggg ggccccctt tgaaaaaacc ccgg 414

<210> 10377
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f10a1

<400> 10377

agcagcagca agttgtccct tcataagata cggaaagaag aatgagtcaa atttttcact 60
 aacaactagc aagtctcaa aaaaaagttc atgagaccac aaaaacattt gaaaactaag 120
 ctccatggaa tagagtttct tataacacta caagctctaa aaaccattag acaatgaagt 180
 tattaatagt cattcctccc tgtagaagta ggggcacac aactactgat taatcttcac 240
 tacaaaatga agagaaggaa ataaagttgt gtcaataagg aacaggtata cgaacagtgg 300
 agggacctga tttcatgtcc tcaacaatta gatttaagag agcctgcgtt atagggcctt 360

ctttgccatc accaataacc tgctcatccc attgcactac agggcaaaca agaactccgc 420
 tgccaagaag catcatttca tctgcttgct taccttcttc gacagtcaca gttttcaccc 480
 ttatcccttt aagcttacct tcccttaaca agctctcagc aagggttaaa actctctt 538

<210> 10378
 <211> 315
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f10d1

<400> 10378

ataaattaac tacataattt caaggcttcg agtaattgag atcgaagccg aaaacaaata 60
 cattgatata gagtagcatt cctgttataa catttccaaa aacagggttcg tttcctcatt 120
 ttttagggat gtccaaatat atacacaaaa tgggattaat ttatattaca gaagttattt 180
 atccttcgta tcttcaggca aagcagatac ttgacagata ggacataatt tcttcataga 240
 tagccacttt ttaatgcagc tcacatggta gtcacgtcca caagtttgaa gtgttccaac 300
 actcgtccat atttc 315

<210> 10379
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f11a1

<400> 10379

aaaaaaaaat attcataaaa taaattaatg acaataattt agaacacatg gcttaaggtc 60
 aaacagaatg atagaatgat acaacttaca gctgacctgg aaagacaaca aagcaatgaa 120
 tcgagagatc cttaaaaaca cagaaaaaag tcttccttag gtaatatata aagtgtctca 180
 acatgtttag cagcgcatgg tctctacatt aaaattacat agagcacaga ttgcccttgt 240
 ataaattcct acttctccat gtgggggcta tattgcctac aggctaacga aaccaatagg 300
 aggaaaattt acgattttat ataaaatcaa ccagtataat atggcagaac acttgggcaa 360
 gacaagaaca cccgttgcaa gttaagcttt ttacagtgat ggtgatg 407

<210> 10380

<211> 346
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f11d1

<400> 10380

aaaaaaaaa taggggacac ataatttttt tttttttttg gggggggggg aaaaaaaaaa 60
 acaacgggct taaaaattga tgtctaattt aaaacgcgct caaaaaaaaa aaaaaagagg 120
 aaagggtccc caagaggggg ccccttttta gagaaattaa aaaaattttt taaaaggggg 180
 cccattttat tttaaaccct cccctgtttt gggggaaaat atacaaacct cccggggaat 240
 ttctcttaga aaaaaaatc agaacgact tttttttttg tgcaaaaaaa aaatcccttc 300
 ttttgagttt ttttataaag aggtcacccc cccctattt ttttaa 346

<210> 10381
 <211> 373
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f12a1

<400> 10381

aaacaaaaag gcggggatat taaaattacc tcatagtcaa acccggggaa aaataaaaac 60
 ccccccagtt ttcgacggaa taattttattg gggccaaaat tatacccaaa acggggctta 120
 ttttaacctt cccacaaat ccttttttaa gttttcccta tatcccccg gaaaccccc 180
 tacccttttt ttgaaattga tttgctttat aggcaaaaaa catgaggggg ccccccggt 240
 tttccattaa aaactttagg gcccttggca agtaaaacat cctttgactt tgggttaaac 300
 aaattaagcc catatttttt gcaaattaac ccctttatac aggaaagcgt ttttggaag 360
 gattcggggg ctc 373

<210> 10382
 <211> 347
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114f12d1

<400> 10382

gggccggaaa accaaaaggg cccccgggg cccccaaaaa agggccccag gggacccgaa 60
 atccaaaggg gaacccaaaa taatttttta aaaaaaaaaa cacaaaaccc caagtggggg 120
 gccggaagag gggaaggaaa aaagggggcc ccaaaaaacc attggggggg ccccggggcc 180
 cctttggggc tgggaaaccc tttaaaagga aat-ttgcaa aaagcccaa gaaaagggcc 240
 cctggggcca acccagtaaa aat-ttttggg aagggaaaaa aaaagggggc ccatttaca 300
 aaaaaccttg ccaagcccta aaccaaattc tggggggccc ccccttt 347

<210> 10383
 <211> 582
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220114g01a1

<400> 10383
 ctcat-tttcc ctccaatttc ctctcgggtt ttgcaatttg gccaat-tggg tccccaaagc 60
 tgtgac-tttt tcctctgatc aacgcgaagc ggaagagaaa caccagaga gagaagagaa 120
 aaagaaaagt tgttg-ttttc ttttg-ttctt tgggggtgtt ggtttaaaac cgggggttga 180
 agcattgcag acatcacggc tattcaagga gttcgccact ctctttctca tgcccgttgt 240
 gtccgacgca agggtagtgt gacggagaga aatccttcaa cgcacggcgg gcgtggcgct 300
 ctgccttccg aaggtggcag cccctctgac ctctctttc ttgccggcgg tggttcttct 360
 tattaggatt ctgaagtagt attagccatt aacataacaa tagaagacag caccttctaa 420
 agttctctat taggggggttc ttggtccttt tttggtcttc ttctttggta gntgttaggt 480
 ttggtgaggg ctaacatggt gagcattaag agggtttcta ctgtggtttt caattatcaa 540
 aaagaagaga caggggaggg tgctgctgcc gtggatgtgg tc 582

<210> 10384
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114g01d1
 <400> 10384

aggctcaaaa aaacagttat taaattggat ttccacattg atcacgacgg acaatcaacc 60

acataatddd ttaaggcctt aaaacatgcc tataataaat acttcaaact ccagtaactg 120
 aacccaggta ctacagggtt taaaactgaa acgtaacata acacaatddd tatccataat 180
 cactaccaat ttggtcatca taaccttggt actggaaaac aaggcattca tgtgaaccag 240
 ccaccatggc acgctgagtg cttgggctaa cagcatcaac ttcctcaagt aattgaggct 300
 tgacattcat ttcaaccgat gcaatggcctt gaaaaacaag agccgggact ttttggaac 359

<210> 10385
 <211> 309
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g02a1

<400> 10385

tttaattctt ttctctcccg ttatatatat agtatgggct tatatatata tatectactc 60
 atgaggaact gtgattgcag ttcctaattgc atattttaac gcggcgccaa ggagcatttt 120
 tgtgcttctg gttgtctgtg ctttttgtgg tagtagactt ttgctatggg gaccatagta 180
 cagtcgaggt agtaggggtg ggagaatgcg cagattgcaa ggagaaaaac attcaaacta 240
 gccaggcttt ctcagggtta cgtgtgacag tacactgcag ggcaccaagt gaaaacttta 300
 aaaggagag 309

<210> 10386
 <211> 570
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g02d1

<400> 10386

aatgaactc ttattctttg aagagatatt agaaaactta actatccaat cacaatgcat 60
 ttgtatacac atgaaattaa ttaaaaaataa atacaatgat ctgggttggt taacttgccc 120
 cgatgatgat cttcattcga gaacaacaat attgatcaca ctcatacttc acatcacttt 180
 aaacttctta atcatatcgc tctatttttag tttaaatttt atttatatte tcaccccagg 240
 ctcatcacat gccctatcct tccaaggctt tattagcaac aaatagactt cctcaatata 300
 cttgatcata cggaagcac aaaaaagaag acagaaaaaa tgcatgcata ttttgcagac 360

ccaacaagag taatcatcta cctctgcaat attaatatat aaagcctaag gatgagagga 420
 agaagggtggt actgggaacc atttgggggtg atggaaaaag tgctttggag gaagtctggg 480
 aagagggtgga agtgggtcga gtggaggcaa cttatggagt ggaggaagaa gtggaagtgg 540
 cttctttag attggaactg gatgaagtgt 570

<210> 10387
 <211> 411
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114g03a1

<400> 10387

gttaattaac ttgttctcgt tcattactac taaaaaatgg tttccaagat acaaataatta 60
 ccaatcttag gcgtgtgggc catgttactt ctgatctcct cggagggtgtt agccactgga 120
 ttacatgggtg ttgggtgttg tattgggtggg ggattacctg gtgttggtgt tagcgctgga 180
 ttacctgggtg ttgggtgctgg attacatggg gttgggtggcg ctggattacc tgggtgttggg 240
 gctggattac atgggtgttg tggcgctgga ttacctgggt ttggcgctgg attatctgcc 300
 aacgctggat tatctggtgc tgggtggcgt ggattacctg gtgttggcgc tgggtgctggg 360
 ggcgccgctc gtgggtcgtgc tggttcctt tttatcatg ccagtttccc t 411

<210> 10388
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220114g03d1

<400> 10388

ggattaaaag tgaatcttta tgtataatat atagactagt gtttcatcta atgacattca 60
 cttacaaaag tcataataaa agatggtact taattaatta tacaagtcaa gatcgagggg 120
 tgatgatagt ggaagcaaga tgaatgtcaa acataacttc attttttagaa gtggaaaaac 180
 ggattattcc acccaacgca agtgactcca atgtaggttg catattattg tgagttgaac 240
 caaaaaaaaa aaagattaaa ttgaacctc taaaatgaag ttcaaactct ataaaaacct 300

aacttttttag ggctttttaat taatgggttt ttgcaagaca agtctgttca ttttgtgacc 360
 tctaattact tctactgact atatatcttg aagaaatggg taatctgtgt atccaagcac 420
 agggatcatgg gtggaaaagg tggtagcatc gggttcgttt aactgagcat cgagctggaa 480
 tcttgtggng agatctggat ttgccagaaa aaggcgccca taagc 525

<210> 10389
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220114g04a1
 <400> 10389

ctagcttggg cgagtgaatt agattcatca tcaagatgtc gtctctgata gcagaagatg 60
 tgaagagcag atcagaggtg taccacgggg acgaaatgtg ccaagtgaag tccaaggagc 120
 ttctcaagga aatcgccctc cccaacggcc ttcttccct caaggacatg gaggagtgcg 180
 gctacgacag acaaaccggc ttcgtctggc tcaaacaaaa gaagagttac acccacaagt 240
 tcgacaagat cggaaagctt gtctcctacg cgcccgaggt aactgctcat gtccaacaag 300
 gtaaaattac caaactcacc ggggttaaga ccaaggagct cttgctctgg atcacgctca 360
 gtgatatcta tggtgatgac cctcccactg gcaaaatcac cttcaagacc cctgccggcc 420
 tatttaggtc ttttcctgtc tccgctttcg agattcagga ggagcctgag gctaaggaca 480
 ctactnagcg cgtgccggat accgctgagc ctgtgcaagt caggaac 527

<210> 10390
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114g04d1
 <400> 10390

gaacatgaaa tttttctgaa agccaaaatc aactaatttc agaattcaat ctatcaaagt 60
 caatatcaaa ctataactcg tccacacat ctcaaacata gctatgctcc agattctaa 120
 tcaaagttct taccattgaa aacaactttg ccagtacata taggaaaact aacgataaag 180
 aaaaaagaaa agtaatagtt accaacttgg ttttgcaaac aaaataaaga acatcacaac 240

acaggtcctg ctatgattga tactactagg gggctagcat tatcctccat tacaaccgat 300
 gaatctcaaa attgaaatcc ctgacatcct tgataaaaat taaactagta gaagaagccc 360
 aataccttac caccaacatt tttcctccta gcctcttcat gatccatgat gccagcagag 420
 gtagtcaata caatataccc aaactgtcct gaggggagaa gcctagcagt ccaaccttca 480
 atctctttga cgcccacatc aaaacgggga ctaataaccc cacacttggt cagtcta 537

<210> 10391
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114g05a1

<400> 10391

ccgcaaactc attctgggcg gcgatagttt tatcgttctc tatctccaag atggtcggag 60
 aacacggtac gatgtcactt gcctccgatg atcagaaaac accacttctt cccgtgcacg 120
 agccaatgga aggaacacgc accagcgtct ccttcagcat caaaacaatt ctaacactgg 180
 aaaacttgta cgtgattctg ggacctatgc tgtctctttt catatgcctc ttcgtgaagc 240
 tcgacgcgcc acccacaagc cagaaaatgc ttggtgtgat tgcgtgggtc ttcgcttggt 300
 gggtcacgca ggccgtgcca cttcccgtga cttccatgtg tcctctgttt ttgttcccaa 360
 ttttcgggat agcttcagct gatagtgtgg cgcactotta catggatgac gtcacacccc 420
 tcgttttggg aagcttcatt ctgcacctcg ccgtcgaacg ctacaacggt caccggagat 480

<210> 10392
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114g05d1

<400> 10392

accgcggtgg gctccagctt tgtcccttta gcgagggttt attgcgcgct agaaaaaaca 60
 tgacataccg gaaaaaaca ggaggtggtt gcatagcttt ggaatttccc aatgaaacgc 120
 tcaagtatgg tcgtccttgt catggggctt tctggagagg atcatgtgcc ttggcgagaa 180
 aatgccagag tgacccccct tgggcaaata atccgggggc ttgaagagca tttcatgaac 240

atccacggtc cccttgggcg cgattcccaa agcggggaga acagt

285

<210> 10393
<211> 561
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220114g06d1

<400> 10393

agaaacgtga aattaagatc gtaaaatcct taatccttct cagcctctaa tggttaagtac 60
tagcgtgact catttaaata ggacaccaag taacgttcct cagtggcaga acacaggcgg 120
gtacaaactg taaaatgaca atacaactta cacactagca tccaatcatg aaaacccaaa 180
ctaacaagat aactgcagtt ctgagaaatc tgaaaaagat tcgaagtga agccataatt 240
gcttttaagt tctaattgct agaacgcaac tccggacgaa caaagtctgc atctggtggc 300
acagaaatgt ctactgtggg tctcagttca gcgcnaactt taatgggtcc gtgcactggg 360
tctgacagga agttgctgat taagtccctg ttacaggagt tccattgtcc acagccacca 420
tggcctgctg ggtaggatg tagtcaaate gtggagccca tttcctcgaa cccaacctag 480
ctgtgggttg acagttatca accatgaaag aaacaccacg agcatgcatg aaaggattca 540
aagagtcaac tgcctcgatg a 561

<210> 10394
<211> 585
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220114g07a1

<400> 10394

cgctacctag ttggttcttg tcttgggacg aacaccagca ctgcctcact cttttcttct 60
aactgcgacc acatgcagac ctgataagca ctctcgcatt tcccaactct ctcacaccgc 120
caaatttctt ctctctctct ctctctctct ctctccattt gtttttggtt tctttttcgt 180
gtggaatttg caatctccca gaaaccctat ccactgattc ttttcccatc aaactcgata 240
ctcaattcga ttaaaccggag ttaggggtttt gattctccgc aaccgttggtc ataatttggg 300

ttcctgcacc ttcaatatcc tctcctctgc aacogaataa gtgttctctgt ttaggttttg 360
 atttgggact aacgcaaagg atgtatgctg atcgggtgga gagtgggaact cggagatcag 420
 tgaaggaacg ccttgatggg aatttttagca ctgattctac tcgccaacac agaattacgg 480
 gaaagaggca gaggggaagat gacaagtgga aacatgatct ctatgaggat gatgaacccc 540
 agctctctaa tcgcagggtc actgctcaag atcttcgtct gaagc 585

<210> 10395
 <211> 541
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g07d1

<400> 10395

caaaaggaat tatgattata ttcacaggag caatcactct attttaagat gcatcttcat 60
 caaaccagct ttcattgcttc ttttttgtct tttaaatatt aacagcttgt tagggcactt 120
 ccagcaatgc aagggaggag acaagattaa aaatggtaat aaaagcacca aaaggatttt 180
 tagaaaatta caggcaaagc ttgaccaagt gcaaagtata aacataagcc tctaccaata 240
 tgtgttgggt attatagtaa tacaagacca aaatatcatc ctttagactc caaggctaaa 300
 agtatcttct ttcttgggtcc cattgggtata cccatggcct tgagatcctc atcagtcata 360
 tgattgagtg cagtcataatc aacttcttca gcctgaaaac ctatgagata cttttcgaga 420
 cccaatgact gcaaaaaatc atccagtga ggcgcagcct ttcgggacaa ctttttagta 480
 gctgatcttt tgatatgtac tgcaggctca acatcaatac ttttactgct agctctagca 540
 g 541

<210> 10396
 <211> 459
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g08a1

<400> 10396

ctctgagaag acgtgtcggg agctgaagca ttttataagc ctccactttc ctgaactagt 60
 ttttaacatac aatctttcaa gtacacctcc ccagcttcca ttttaagaatg gagatcacta 120

gaataggcca atggttaagt cttctgatat gtgtactact attactgcag acagaagggg 180
 ttcctgtggg aatcactttt gttgaaaatg cagtggcaaa aggggctgtt tgtttggatg 240
 ggagtcctcc agcttaccac ttccacaggg gatctggagc agggattaac aactggatag 300
 ttcactttga gggaggaggg atggtgcaac aacgttacta cttgcctttt ccgtagggac 360
 actcgattag gttcatctaa gaaaatggat acatcacttt ccttttctgg gtttttcagt 420
 aacagtaaaa agttcaatcc agatttctat gattggaac 459

<210> 10397
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g08d1

<400> 10397

attagaatta cagatatacc ctttattgat aataaaaatg ttatgtttac atggtagaca 60
 attatcatcc tttatcaggt tgcctaccct tacactttgg aaccttttaa atcatcaatc 120
 acagcttggt ttttgttgat gcaacaatcg aaccataact ttgatgggtt gagatctcaa 180
 accacaaagc catgagtga agtgacacat ctggttcaat aaaaactaga taactaataa 240
 agtatagttt gtagtaataa ataaatgagc atactctttt aaatgaatct atacgtctgg 300
 acgctcattc tgatcaaaaa tacgattatg gcaagtaggg ttgcaagggt aggcacaatc 360
 tatctcacgg aagggccttc gatcataaaa ccaatcaccc actgcctttg caattgatgt 420
 cttggccacc actggggagt catttctcag ccatgtctct tgtatt 466

<210> 10398
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114g09a1

<400> 10398

ctgaacatta caattgaagc aatttaatgc cataatttac attcactgat gacagcaaca 60
 gacattgact caccaatatt agaattttta gagggttaata acaaagtga cattatatgc 120
 atacaaagca ccaatgaata agccccttaa ccaaaaaagg caagtctttc aaaacatcaa 180

aacccccaac attctttttc caacttgaca tgaatattca catatactaa gcctaaattt 240
gccatcttcc cacttactaa tttattaaag aaatctgttt aggtcttttt ttttctagca 300
caattaatgc ctggtggtgg tgtctctaca aattaagtta caattagcta gtgtctcaca 360
tctgataaca tgaaacttac cccagcccaa atagaccaac tttcttccca caaacaattt 420
gaagcaacaa gaaggatcag catttggtg ctgctgacaa acaaacgcat aaccacagga 480
aagaatgtca aaagtt 496

<210> 10399
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114g09d1

<400> 10399

aaaccaaatt taaatttcaa ataataaaaa gtacaggatc atcacaacgt tcttccaccg 60
aaatttccca caataataat ccaaattgtcc cccaaaaaat acaagcggca ataataacaa 120
atccgtgtct tttaaaaaac aaaaagcggg tcgatctatt tcggatcgat ttttatcaac 180
gaaccgcgca tccgtgacgc gtgaaccoga tccgcgaccg gtccaaatcg aactcaaaca 240
agtacccttg ctgcatcaga ttcccaatca ccgaaaaccc cgaatccggg cgaaccgggt 300
gaaccgcaag aacttaact ccctccgccg gttcaataaa ataattaccc accggcggcg 360
acagaaccgc tttcccgcg agccggaatc tcagccgcgg cagcttcggc ctgccacgc 420
cggaacatt aacacaaagg tcgaaccca gcgcggcagc gctctccacc gccggaagcc 480
tcacgcgcgg tcggaacgcc gcgaggatct tcccgtgaag cggc 524

<210> 10400
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114g10a1

<400> 10400

gaacatgaaa tttttctgaa agccaaaatc aactaatttc agaattcaat ctatcaaag 60
caatatcaaa ctataactcg tccacacat ctcaaacata gctatgctcc cagattctaa 120

tcaaagttct taccattgaa aacaactttg ccagtacata taggaaaact aacgataaag 180
 aaaaaagaaa agtaatagtt accaacttgg ttttgcaaac aaaataaaga acatcacaaa 240
 acaggctctg ctatgattga tactactagg gggctagcat tatcctccat tacaaccgat 300
 gaatctcaaa attgaaatcc ctgacatcct tgataaaaat taaactagta gaagaagccc 360
 aataccttac caccaacatt tttcctccta gcctcttcat gatccatgat gccagcagag 420
 gtagtcaata caatataccc aaactgtctt gaggggagaa gcctagcagt ccaaccttca 480
 atctctttga cgccacatc aacacgggga ctaataaacc cacacttggt cagtctaccg 540
 ttcaattcaa ccacgatttt 560

<210> 10401
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114g10d1
 <400> 10401

aatactatat tgtaaaataa atatattact gaaaacttgt caccgtagc attgagatgc 60
 ttattaaatc atcaaagaa ttattcgaga ggaactaata attattcagt gaatagtatg 120
 attcttaatt gaaccatata actctgcaca gtgcacaaaa tgcagaattt ttacaaactg 180
 caaacatcaa ggttcaagtg gcttatcggt ttcttgcttg tagaagggtt cataagtctg 240
 cactcttggc tttgattctg gtaactccaa ctcttgcta aagccatcag tcactctgac 300
 gaaatcattc atgtgaactt gtttccattc ctcaaaattc cactctgcat ataagttagg 360
 atcattgggg tggctccaaa cataagcgca aacttgtaac ttttcagact tgtccttcaa 420
 ggaaacctca acatcagttc tagtatattc aacatcctca aattcatcta aaatatctag 480
 ttctac 486

<210> 10402
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114g11d1
 <400> 10402

aacacgacga taaataatta atttattcgc atcaagctca ccattcaagg aattatgtta 60
 caacaaaata aattaaatgc catctttcga tacaataata tcattcagtt aagggcttaa 120
 catgggaata agcaacacaa agaacgttaa tatttttcca attagcacag taaaagctga 180
 aaaaagatcc tgggcacccc ttggatatac agttccagtc ttggtatcct tcagtttgat 240
 gctggaagag caattgtaat caggccatcc aatgctcata ttggcaagat catatttgaa 300
 taatttggtt gtcagcacca aatctccgag aagaattagg gcctttccat ccttaatttg 360
 ggccgaactt tttttgccag ccatacacc acatgtcttc cttttttggg cctgtgattt 420
 gactgctgtc agccttttta cttt 444

<210> 10403
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114g12a1
 <400> 10403

agaactcaat acatgtttta ttattattaa ctattttaac atgcttttga ttgaatgggc 60
 ctattaactc aatgttcacg caagaattcc caagagaaga ggagtagagg cttttcatag 120
 aaaacctgac caacatttaa tagactctca tgaggaaat tgaagatcac acttttttcc 180
 ctgcatactc tcccagagaaa tgcctatata taatcaacag ctattttctt gtggaatctt 240
 gaatcccttc ttgccctgac aactgggttt tctaaaatgg gaaccacccc agcattcctg 300
 cagttgttta agaacttaac ttcattgacc tcggtggggg tgctaacatg acccgaggat 360
 tgaatagttt cattaatgtg caatggagat gagac 395

<210> 10404
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114g12d1
 <400> 10404

caaatgaaaa tcttgggtata catataatct taacacaatc taactacaag tagtatatca 60
 actccaaatt acgggatttc gttaaaaaca gttttatcct aagcccgtta ctttaagccag 120

ggaagacctc agtttaccca caaggggtaa gtttcttatt tccagcacca cgtggattat 180
 catccttcca gtcateccaa gcccttgctt tctcctgtgc agcatcatca tcttcatcat 240
 catcggcttc tcttagcttt gacttcctat cattgtgcca agatgaattg acttcttcca 300
 tgagtttgac atttctctct tgccatttgt tcattatttc catttctttt agccccgcct 360
 cctcaatgct catagctggc atcctatgac taggttgga gacctgagct gccattcttt 420
 ctctctcagt tgctatgttt ccatttaciaa ggctagctgg tccaaatatt aggggttgat 480
 gc 482

<210> 10405
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114h01a1
 <400> 10405

atcgagataa ctagaacacag tgtgatgaaa atgaaggctc ttgttttctt cgttgctaca 60
 attttggttag catggcaatg ccatgcgtac gatatgttcc ctctccgaat gaacactggc 120
 tatggtgccc gtactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180
 aacatctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240
 catggcgaac aatatagatc agactccaaa acagttaacc aacaagctta cttttatgcc 300
 agagacctcg aagtccatcc caaggacaca tttgtgttca gtatagatgg caccgtactc 360
 tctaatatcc catattaciaa aaaacatgga tatgggggtg agaaatttaa ctcgaccttg 420
 tatgatgaat ggggtaacaa gggcaatgca ccggcactgc ccgagactct taagaattac 480
 aacaagcttg gtgtctcttg gcttcaagat tatattcttg tcaggaagaa cactggacan 540
 acaggccgta cagaagcaaa cttaaagaag gcttgctacc acacatggga aaa 593

<210> 10406
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114h01d1
 <400> 10406

gggaaaacag gggccaaaat tttttaaaccc ccccaagaaa aaacccccca aggggaaccc 60
 ctaaaaaaca ctgggcaccc cccgcgaaaa aaccaaaaag ggaaaccggg cccccctttt 120
 aaaccccttt ttttaacaaa aaaaagaagg ggcccacccc aatgggggaa aggggaaagc 180
 cccccgaag ggcaccccg ggaattggaa acccaaaggg ccccttttcc cccctggggc 240
 cccccaggaa aacccccct tgggccccaa aaacccccaa aatgggggac ccccccccta 300
 aaaaaaaccc ttcccgggg gattatgaaa aaaacccctt taggggggaa agaccctggg 360
 ggcccccgag aaaaaaaatc cccccgggg gggcccccc cctcttta 408

<210> 10407
 <211> 202
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114h02a1
 <400> 10407

cgcaacacaa caaaaaaaga caaccagag agcgcgtctt aataaacgct cttctctgaa 60
 aacccccatt tcttttcttc tttcttcttc tcttctgctt cttegatctt cgatcttcgt 120
 cgctgaaaat gagagagtgc atttcaatcc acatcgcca ggccgggatt caggttgaa 180
 acgcctgctg ggagctttac tg 202

<210> 10408
 <211> 573
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114h02d1
 <400> 10408

aaaactctaa atttcaccaa gcaatttcaa ataatgttt tcaccacact tcacataaag 60
 ctccaaaagt accggaacaa ggcaagttcc acggaaagta caacgatata cagagcacga 120
 gaagaaaaac aacacagaaa gtaacataat agtgcaaact tctaatacata atcctctcct 180
 tcatcaccat cttcagttgc ctctgcacca acttctcat aatccttctc cagggcagca 240
 agatcttcac gggcctcaga gaactcccc tcttcatac cctcaccaac ataccaatga 300
 acgaacgcc tcttggcata catgaggtca aatttggtt cgatgcgaga gaagacctca 360

acaacactgg tggaattgga gatcatgcac acggccctct gaaccttggc aagatcacca 420
 cctggaacaa cagtcggagg ctggtaattg attccacact tgaaccgggt ggggcaccag 480
 tcaacaaatt gaatagtgcg cttggtcttg ataattccaa cagctgcatt aacatcttta 540
 ggactacgt cacctctgta catgagacag cac 573

<210> 10409
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114h03a1

<400> 10409

caggaagacc actgtatcaa caggctgtaa ctgctaccaa cttaaagctt gctggatact 60
 acaaatggga aaagttaatt accaaggata cagataaata caatggtaag acagcagtta 120
 catacaaatt aactgagagg cagaagctgg aggaaaatgg atacaacatc attggaaaca 180
 ttggagacca atggagcgat atattaggaa ccaacacagg ccttaggacc ttttaagttgc 240
 ctgatcccat gtactacatt agttgaggtc tctaggctct tatgaatgaa atgagatatg 300
 tagtaattaa taatggagag acttaaccta ggggcactcg ttattgctat gtttcatatg 360
 tatgtgactt tgtgtgagac agtagttacg tgagactgca caagcacaac ttaacgttgt 420
 ttt 423

<210> 10410
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114h03d1

<400> 10410

aaaacagaag cggaagtttt ggtttttgga taatcacata tgcctacaca ggggagtttg 60
 tacacatata aaacaagttc ttgagtctca aaggactatt taacaaaaat caaggggaaa 120
 ttaataccaa ttgtaaagac agaattcata accccaaaaa attcaaattt tgatttactt 180
 taaatcatcc agtttaacct catactgttc agcagtagag agaattttga caccaaccac 240
 acccctttgc catttaaaat tccccactaa cacaagccgg tcagcattta atcgggctgc 300

acgttttaaaa acccatttaa ggggggttggg ttccaaaacc aactcaacaa tttgcccttt 360
 ttttttgaaa atggttagcga ccatagcagc acattcttga agatctttgt ccaaggcaca 420
 cacaatgtca tttatttgca agttaagctc cggtaacaga ccct 464

<210> 10411
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220114h04a1

<400> 10411

ctcacaattc atgagtgatg acaaattgaa gaagcacttc cgtgagtctt aattaaagag 60
 attaaagaga cacaccattc attcgctcac tcatttcatt tcaaacaatg tcaatcgctg 120
 cttcagcttc ttcacatgct tgtatttctc caatccccac atgcatcccc tcttctctt 180
 ccaaattctc ttcttcgctg acactttctt cactccaaag aggctcaaat aagagatcgg 240
 gatgcagagc catggttcaa caagccgttc aggggtgcccc tgctgcgtat gccaaagaaa 300
 tggaacgcct ttctgccaaa gaatcgcttc ttcttgcttt taaagatgca ggggggtttg 360
 aggccttggt ctccgggaag actacggaat ggcaaaagat tgatgtgaat gaaaggataa 420
 ctgggtcttga gaggtcaat ccaacacctc gccccacaac gtcacccttc ttggaggggc 480
 aatggaactn tgagtggttt gggtctggaa gt 512

<210> 10412
 <211> 543
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114h04d1

<400> 10412

acataacaaa gcagaatttc atttgattga atgcacaatt tcttcacatt aaaaaactct 60
 ctaatttgta caaaaagtca atgaatcctg atttctgaca aatttagaac attgcagctt 120
 ttaatcttct tcccaactcc tttctcatca attgcctatc aaaacctgat gcagccaaaa 180
 gccctctatt ttcttcagcc cttctcagaa ggtaaggcat aaccatatct accggcccaa 240

atggcatata cttgctaact tgaaaccctg cattgctcaa accaaaggaa agtgcctctg 300
 acattccata cagttgtgca aattctagct tgtggtttac ctttccaacc cccaattcat 360
 atgcttttgc tgcagccaat ttccctgatt caatattgtg agttgcaaga acaactgaaa 420
 ttgaaccggg tccattagca atcttttcaa gaagaaatga tgagcagcca ttgaagcaat 480
 tgtgtgtttc ttgaatggta ttgtgaattg gggatgcata cccaaatgac tcagccatt 540
 tac 543

<210> 10413
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h05a1

<400> 10413

aagaactcga ttttcgcttg ttggtgaggt ggatactggg gccatcgaaa agagtgc aaa 60
 ggttggtctt gctgtggcct tgaaaccata gaccaagtcg ttttgtgagt gatatatggg 120
 atgcttctcg tgggtggagga taataagttg ttgtagactt tcaactttccc aatgaacatc 180
 tagtgcttca ttttggagct atatcaatct cttcatatct tgggtggactt gagtgtaaaa 240
 tcaataagca caaaaagaat ttgaatttgt acttattcaa cagatccacc cgaaagccat 300
 tgatttaggt gcatctttga gtaagctttt tgagcatgga aggtgattgc ccagcaattt 360
 ggttgtttta ggggtgtatat cgaagctttg atttagatgc ctagtaaata tttggtaat 419

<210> 10414
 <211> 419
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h05d1

<400> 10414

attacctaatt atttactagg catctaaatc aaagcttcga tatacaccct aaaacaacca 60
 aattgctggg caatcacctt ccatgctcaa aaagcttact caaagatgca cctaaatcaa 120
 tggctttcgg gtggatctgt tgaataagta caaattcaaa ttctttttgt gcttattgat 180
 ttacactca agtccaccaa gatatgaaga aattgatata gtcctaaaat gaagcactag 240

atgttcattg ggaaagtga agtctacaac aacttattat cctccaccac gagaagcatc 300
 ccatatatca ctcaaaaac gacttgggtct atggtttcaa ggccacagca agaccaacct 360
 ttgcactctt ttcgatggcc ccagtatcca ccttaccaac aagcgaaaat cgagttctt 419

<210> 10415
 <211> 556
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220114h06a1

<400> 10415

gaaataatat taatatcaat ttaataagct ggtaatgtaa aatactgcta atgttaatat 60
 gaagtttgga tgggtcttatt ggcagaagat gctaggcggt gttcatcaat attctgaaag 120
 gtaaaacgat tttggttttt aatgataata taaccatgaa tctaacaatca gatattgaac 180
 gctacacatc aaaaataaat cgagccaacg catttaattg taagtgtctt catattacct 240
 gtgttctgtc acatcttttt gcataatatt ggcactaagt cttttttgat agaaattgtg 300
 aagatgtact gttatcattg tatcaactat attgtgccct tcttttttta ttgatttgg 360
 caaacacggc tacttttctc caaataagat ggatcatttg tattgccggc tttgtgcaca 420
 attatctact tgtaagaagt ccaatttcgg gcacaacggt tgtaatgcag aaataggtca 480
 ttagcattgt aaatctncag gcgataaatg gaatatcaaa tggaagacgc cgcatagctt 540
 ctggtgtgac aatata 556

<210> 10416
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220114h06d1

<400> 10416

ggttctaaaa taattaataa tatactgaat aaagtgtcga agaacaataa ttaaattaat 60
 tcaaggaatt aaattaaaac aataattata ttgatcaact aaatctacca tatgaaaatt 120
 tcattcttta cttgtaaaga gccgaaatta tcttcacctt aataattgta gatgtagaag 180
 aataatcaga atcttcttaa atccacgtaa tttcttcgaa aatgctttgc ccaacacaat 240

gatattgtca caccagaagc tatgcgcgct cttccatttg atattccatt tatcgccctgg 300
 agatttacia tgctaatagac ctatttctgc attacaaacg ttgttgcccg aaattggact 360
 tcttacaagt agataattgt gcacaaagcc ggcaatacaa atgatccatc ttatttggag 420
 aaaagtagcc gtgtttgcca aatcaaataa aaaaagaagg gcacaatata gttgatacaa 480
 tgataacagt acatcttcac aatttctttc aaaaagactt agtggccata ttatgcaaaa 540
 gatgtgacag acaca 555

<210> 10417
 <211> 543
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220114h07a1
 <400> 10417

cttttatgtg cctggattat gctgtgtggc ctcttccaag ttggcaataa ccataattat 60
 tgctctggag acaactttat ttgcctttac atgaactcta ccaattttca tcttaaatag 120
 ggttattgct atttgtatgc acatttttgc ttcattaaca tatctttgct ttgttcttgt 180
 tggattttta ggtttcttaa ccttcccaag gtttctgaat tttgatatgt attaattttt 240
 gctgtagttt atttttctgc aaatagaagg caatgtagc cgcaaaagcc tctcttcgaa 300
 atctctgacc ccaaataaag ctatttttagc tatataaaat attgtattca acattctttg 360
 ttaacttgaa ttccacctgt tattttgtat aattgaagga cccttacaga agaaagggca 420
 aagctgatat atgatttgtt aagtatgtga tatctacaca nattttcttg tatttatttt 480
 ctccagctca tgtatgaatg tgatggtatc tgggtctcctt cataatattt ttgtgcattg 540
 gag 543

<210> 10418
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220114h07d1
 <400> 10418

002220 032200 0953143

attgaaaatt atttttttaa tttttggaat ccatgaaaaa ccaaacgcca aagaacaagg 60
cacaactggc tgaacaaaac ctaggggact aacgaaacat ttagcaatcc cacaaccaca 120
agcaccaaag cacccaaccc gctaaccaaa acaggcgga ggaaaaaccg ggccaaaaaa 180
ccccaaaaca gaaaaaaaaa aaaaaacgga aaccggggaa aagcccaacg ggaaacgacc 240
aaaaaagcaa gcaaccacg gggaacatag caaaaaactt caccggcaca ggggcccga 300
ccag 304

<210> 10419
<211> 330
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114h08d1

<400> 10419

agcctacaca ctggacattt tctttaaaga tgagagggga tgctaacaaa caaagtgtat 60
gtgctaacca cttacattgg tcttttataa tgtgcagtat gaggcaacaa gggctacatg 120
aagtcatgct tggccacaac atagaggata ttcaggacca tactcttgtg ttaaagggtca 180
caacgacaac aacatctgcc atgagcaacg ggatcatcag ggaagacacc accatgactg 240
tcactacaag ttgaatgcaa gtattactga ctggcgaaga gggttctcaa caagaccatg 300
ggaattggct gagacaacat caacaccatc 330

<210> 10420
<211> 642
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220114h09a1

<400> 10420

caacggtccg gctgtttgat ggcacctcg tanaccnagc aataccgatc tcatttcctt 60
tggcttcagg ataggcctaa taagaaaaca aataattcca attcatatat gaacattttt 120
gcctccttat ttcttgaaaa tgtggaattg gaattccccg aggaattccg atctcatttc 180
ctttggcttc aggataggcc taataagaaa acaaataatt ccaattcata tatgaacatt 240
tttgccctct tatttcttga aaatgtggaa ttggaattcc ccgaggaatt ccgatctcat 300

ttcctttggc ttcaggatag gcctaataag aaaacaaata attccaattc atatatgaac 360
 atttttgcct ccttatttct tgaaaatgtg gaattggaat tccccgagga attccgatct 420
 catttccttt ggcttcagga taggcctaata aagaaaacaa ataattccaa ttcatatatg 480
 aacatttttg cctccttatt tcttgaaaat gtggaattgg aattccccga ggaattccga 540
 tctcatttcc tttggcttca ggataggcct aataagaaaa caaataattc caattcatat 600
 atgaacattt ttgccttctt atttcttgaa atgtggaatt ga 642

<210> 10421
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114h09d1
 <400> 10421

gggccaatca gaaatacata tcacacagag aaagaataaa gatttaaaag tacatgggga 60
 tgcgatatga cagtccaggg aatcaacaaa tggaaataac agcctgttct gaaattgcca 120
 ttgaaccatg acatgttaga agcagaaccc tattgggatc tcctaaaaga ggattgcttt 180
 aagctgatct cttaaagagc ttatattctt ccaccaggc ataaatacta agacagcacc 240
 cgggcgttcc ttccgacata tatggcataa aacagcctca atgagattaa acccaatgca 300
 gtcaggggcc caaaatgcta gtgattcacg tgccttgag ctatatttct caaagcttga 360
 tttagaaaga gcattcttaa cgagagcagc gatctgggtt ttctcttcc gaggtgctag 420
 gtgcttttgt gtcttcacac att 443

<210> 10422
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220114h10a1
 <400> 10422

gtggtgggtt ttacatttct tggaaaatat gtacatttta taccgtagt gagagcaaaa 60
 aaccacggaa acccaaaaaa gacaaagcca caggggagaac ggagaaacca aaaagcaacc 120
 accccaccaa gccaaaaaaa aaaaacacca accccaagaa caaaaaaagc caggagacag 180

cggagacaga aaacaaagcc aagaaaacaa gaggggaaga aaaaaaaaaa acttaaccca 240
 agggaaggaa agggcaaggc caaggcccgga cacaaacaaa atagaatcac tggctaccca 300
 acctta 306

<210> 10423
 <211> 452
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h10d1

<400> 10423

ggaaaaggaa ggagactttc atatatatat ttatgtgata ttgatataga aaatgaatag 60
 gaaaggggttg tacatcagtg accacgcaag aaacatgaga aatgaactag agctaattaa 120
 ttaacccttc gtctcaatct catgatggaa caattttgga gctacgacgt ggtggcactg 180
 atgatgatcg cagaagaaaa atctcttaac tggagtaagg ggggtggctta ggcataatcct 240
 tgacgattcc gcagacaagc tgggtctctg ggaggttgta ctcaccccta agggacctgt 300
 tgggagacaa gacactcacg tacaattgct gtcccaggta acgattcttt gccatctccg 360
 acctcaagtt ccacattcca gcgttgtaaa aagtcaacat gattgcggcc caagactttg 420
 ggaacacctg gatggtgtgc ctgctgacag ca 452

<210> 10424
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h11a1

<400> 10424

atctatcaac ctgtttcaat ttaaataattt ttccattcat tttattttta ataaaataac 60
 tttattttct attttttttt caaatttttt gtttacctt ctgaccaaac acaatgttaa 120
 gaattgcaaa gaaatatcca tgaactataa ttacaaactt cctaggggtat tatttacacg 180
 ccccataggc cataaatggc tttatttgaa ttttatcttc ccatatctta cagtttaaact 240
 actcactcaa gaatctgttc actcccagac attcacaaca ataaataact tgaataaaaa 300
 gaacatatat gaacgaagtt gtcgagcagg cagagacgag aattcacaat ttcacaccat 360

ctggacccaa ataccggtggc ttggaacttc ttgatggccc ccaa

404

<210> 10425
<211> 561
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114h11d1

<400> 10425

catagtaa at ggctaaacaa ttcttttata cccaagcat atgaacacaa catccattcc 60
taaataacct ctaactacta accctaattgt acatcccaaa tgtaaaagcg ctactagcat 120
gtttggataa tacataagaa tcaattctac cccacaaaat catggtgata ccgataccat 180
gaaaaagtag aagcaactat ttgttgcttt accttcacca tgaaaaatta attgattatt 240
ttttaccata aaactaatcc aaacgcactt ttatactagt aatcactac tgaagagacc 300
cctttatagt ttatagtgt tcaaggaaac cagtttttga gagtacatca ttccttactt 360
tgctaagatc cctacctttg agggttctcc cagcaccttc taaaacagaa aatgaggaaa 420
tccgactcct tgcaagcctt ctggcataaa ctcatgtgga ggaagctggg aatcactctc 480
atcattttcc tctccatcct catcactatc cccaccatag gtagcagcac catcaccatc 540
atattcatca tcaaaccttg a 561

<210> 10426
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220114h12a1

<400> 10426

gaggcacgag ataaccaatt tttaccatat atatatagag agagagaata cgaagcacac 60
tgatcacagg atgatgtctt ctttaagtag ggaagcagat cttatcagta cacataggta 120
ggttgaaatt ctagctctag caatctagct agagaaggta gtacttgcac aacacacagc 180
acatgataat ttattttata cacaatctca ttctcatggg gctcaagatg catggactaa 240
ttaagcaaca atgttgggtc gataggcagt gtccacagat aaattgggta ccataaaaat 300
ggccttgctt ccaaggaaat ggcaaacagg gtttagttcca ggatcaactc ccataagttg 360

atgaagcatt tgatgattca ttccagaagt atttgagtgg caaatagcaa gtgcctgagt 420
 tttggttcca tcaccagcca ccaatggaac catgaaagct gttgtttcac ggacttcatg 480
 gcaggaaaat actgcagttc tgaaatttag cctatgacac atcact 526

<210> 10427
 <211> 556
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220114h12d1

<400> 10427

gtaagaacgc aacatttcaa ttttgaaatc aatgaataaa gaatcgtcta aatgtgtaat 60
 gtcctacaaa gcatgtgcc tcgccctata caattgtccc tcatgcttaa taatgaatca 120
 tcttatatac tcatttgagg ttaattacgc tatatgttcc caagagtaac aaccgagcag 180
 ggaacaaaag caacacaaac aaatgcatat gttgggatgt aacaacccta ctgaaccttt 240
 tcagggattc tctccctgtt tgtatcacgc cggagaaggg tgactggcgt tgaccacat 300
 tgattgatat catggacctc ccagcaacaa tgctggatc aactccacga ggtaataaaa 360
 gaggccacca caccttgccg cgttgctctc tcttggcttt acggatctgg ttaagttctt 420
 ggcggtacac agttctcaca gattttaagt aggaattcat gtcatgatct ctttgtacac 480
 tttctccaga tccataagca gatcggtcac ttaatatctc aagtggatga agtgagttca 540
 agaagaccat ctgagc 556

<210> 10428
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115a01a1

<400> 10428

ctcgtggtag agccttggtg atgtccctct ctatgcattg tcgttctcgc cgttgccgat 60
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 gaagtaacaa cctttagat actgctatat tgcgttccgt atctgtgtgt ctgagcgtga 180

ctcaagcgca gctccatatac tttctttgag attgagaaac atgaaactgc tgtttctcgt 60
 tgggtccagag ctagaactag agctgctaag gttggaaaag gtttattaaa agacgataaa 120
 gctcaaaaac ttgctttaca gcaactggctt gaagcgattg acccacgcca tcgctatgga 180
 cataatctac acttctatta cgataggtgg cttcagtgtc agagcagaga acccttcttc 240
 tactggctag atataggaga aggaaaggaa gtaaattctg agaaatgccc tggttccaaa 300
 cttcaaca 308

<210> 10431
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115a04a1
 <400> 10431

cgtcaacttt cgtttttctc cctctcagtg aaaattgcat ctaaagagac agaatgcaag 60
 gacctggggg tggcagggat cctttcttcg attttggtgg ttttggaggc tttggttctt 120
 ttgggcctcc caggagtta atctcaagct tttttggggg tagggacca tttagtgacc 180
 ctttcttcgc ccaacctttt ggagggatgt ttgagtctag tccctttggt ggtcctactg 240
 gatttccttt cccactggt atgaatccat ctgggttctt tgagcatcca gccccgggtt 300
 tggatccatc tgggttctt gagcatccg gtatgcatcc atctgggttc cttgcacggc 360
 aaaatcctga gcctagtaga caaaggagg gaccaatcat tcaggaattg gactctgatg 420
 aagaaaatga tgacaccgcg gagaagaaag aaaatccgag aaagcatggt aagtcagatg 480
 gtgaacactc tgttgaacat ccagatgatg aaattgaagg gaa 523

<210> 10432
 <211> 603
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115a05a1
 <400> 10432

cattattgca atgactagcc tagaggtaat tgaggaaatgc aatgcattct acatagcagg 60

acaagaaacc acatcggttt tactagtttg gacaatgggtg ttattgagta gatatacctca 120
 ttggcaagaa cgtgcaaggg aggaagtatt gcatgttttt ggtaaccaa agccagacta 180
 taatgggcta agtcacctta aaattgtgac catgatttta tacgagggtc ttaggttata 240
 cccaccttta atttattttg ctcgagcgat caagaatgat gtgaaacttg gaaacctttc 300
 cctacctgcg ggagtgcaag tttccttacc aatactattg attcaccaga atcgtgatat 360
 ttgggggtgat gatgctacag agttcaaccc agaaagattt gctgaaggag tagcaaaggc 420
 aacaaaaggc caagttgtgt ttttccatt tggatggggg tctagagtgt gcttaggcca 480
 aaattttgct ttattagaag cgaagttggt tttgtcatta ctcttacaac gcttctcatt 540
 ngagctttct cctacctatg cacatgctcc agtcactgtg ctactctta atccaaaaat 600
 tgg 603

<210> 10433
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115a06a1
 <400> 10433

ggccgaggag ctctatgaga agaccgtcga actccccgac cccaactcca ccgacaacgc 60
 cgagtttcag atcgtgctta ccatcatcag agatgggttg aagaccgatc ccaccaggta 120
 ccgcaagatg aaggagcgtc tcgttggggg ttttgaggaa accaccactg gagttaagag 180
 gctctatcag atgcaggcga atgggactct tctcttcct gctattaatg tcaatgactc 240
 tgtcaccaag agcaagtttg acaacttgta tgggtgccgt cactctctcc ctgatggtct 300
 catgagggct accgatgtta tgattgctgg aaaggtggct gttgtggctg gatatggtga 360
 tgttggcaag ggttgtgctg ctgcaatgaa gcaggctggt gctcgtgtca tcgtgaccga 420
 gattgatccc atctgtgccc ttcaggctct catggaaggc cttcagggtc tgaccttgga 480
 ggatgttggt tttgaggctg atatctttgt caccaccacc ggtaacaagg acatcatcat 540
 ggttgaccac atgaggaaaa tgaagaacaa t 571

<210> 10434
 <211> 277
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115a07a1

<400> 10434

gaagaaagtc tctggcttaa aaaaacctat tcctaaactt cacccaaatac tgataaagca 60
 cggctcttcta cattttccaa ttcacaatac aattcctaca atttcaactc cataagatga 120
 tttggccgtg tcctataaaa ttattgtact tagaacgtta tcccattcta tttccaatat 180
 agctacgttt gttctaaaac atcaacgggg tttctgtaga aatcctatcg tactcttgtg 240
 cattgtatta gaatatatgc agttcatttg cctcaat 277

<210> 10435

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115a08a1

<400> 10435

ctgtttccaa cttcctccat tgggaaaact tccttctcta aagattctag gaataatgaa 60
 gaataatcat gtagaatacc tctacgagga gtcctataat ggggaagtag ttttcggagc 120
 cctagaagtt ctgaccatac gtcatttgtc aaactttaaa aggttgtcaa gggaggatgg 180
 gaaaagcatg tttccccgag ctt 203

<210> 10436

<211> 550

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220115a09a1

<400> 10436

gcgtttcttca atttattttc tttctgcttc tcatggatct ctctcactc tcttcatacc 60
 gcactgtcgg agtaacacct tctgatcctc gaaaatcact tcctcaatgg ggtcttcatt 120
 tcctctccta cactcacagg ctcaaccaga ttaagaaaag gtcaagtggg gtatatgcat 180
 cactatccga gagagagaga ggagagtatt attcccagag accgccaact ccgctactag 240
 acaccgtcaa ctatcctatt catatgaaaa atctctctac caatatgaac tgcgttctga 300

tggtattttc agtgtttcta gaactggggg ccatttgggc tcaagtcttg gtgtggtgga 360
 actcaccogt gcactcacta tgtctttaat gcccctcagg acaagatact ctgngacggt 420
 ggtcaccagt cttaccgca taagatactc accggttagga gggacaagat gcataccatg 480
 aggcagacaa atggcttgtc tggcttcaca aacgttcgag agtgaaattg attgttttgg 540
 actggtcaca 550

<210> 10437
 <211> 390
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a09d1

<400> 10437

acttcaaaat ttcgggggat tacattactt tttcatatta tattacacgt ggggaatcat 60
 gttatgcatt gtacatcggg taaagggaaa aattgaaccc cttaatatatt ttaaaacatg 120
 acctctagtg cctctcttgt ttggcctaata atgttgaaca ctgttgctgc tatgtgagat 180
 ggtgtaagac cggctaaaaa caattgggtca gcaggggatc catgggcatg ataacgatcc 240
 ggaagaacta ttggcctcca cttcaatttg ccatctataa ggccatcaag ggccatgaac 300
 tgagcaacat gagaacccaa tcctccaatt gatccttttt caactggaat caaaacctca 360
 tgtgattttg ccaggctgcg aataaaggaa 390

<210> 10438
 <211> 563
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a10a1

<400> 10438

aaagaaacag tgtttcatca tttgggtttc gcagaagaga gagaaacca tttctagaga 60
 gagaaactcg cagtgcgaga catgtcttcc ttgatgcct tcgccgacga cttgaacgtc 120
 aactcttctt ccactcgcca gcacgacgat gacgaggaca acttctcttg ctacggcggc 180
 tactcctcct tcaccggagg attctccgcc gacggagatg tcgccgtcga tcaactccgcc 240
 gccgcgtcgc cggagatcta cggcttcact gattogaatc ccgcttactc tcagtctccc 300

ttcgaatcgg ccaccgtaga gaacgaaaac ggaaacggat acggcgacgg cgacgggtgtt 360
 tttgtctccg acgggtccggt gcttcctccg ccgacggaga tggagccgga ggaagggttac 420
 gctcttcgcg agtggcgccg tcaaaatgcc attcagctag aggagaagga gaaaagggaa 480
 aaagaaatga gattgaagat tattgaagaa gctgaggagt ataaggtggc tttctatgag 540
 aagagggggag ctatgttgag act 563

<210> 10439
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a10d1

<400> 10439

aaacaactga aaattattaa acattgtatt tgtctatttg acaccggcag acagcaatta 60
 ttccaacata tactctgtct aaaaggatgt actattttaa cccatgatca ttgaatctcc 120
 acgtcataat tgtaataat ggatttaatt catacaaac cttaaagta ataataataa 180
 aatgcaaccg ataagcatta gaaactaata gcagggcaaa aagattcatt aaagactgca 240
 ggggtggagaa aggggtggca gaagaaagat tgagggggaa ccaaagtatc atagacaaaa 300
 tcatgcagca ggctgctcct cagtggcagg agcttctttc tgggggttctt ctgtgaggcc 360
 attagaggtg gcatcctttg gctgtgaatc aggtgcacct tctgctgcag atccagttgc 420
 ttttgatgct gctttctctt ttccatcctt attatctttg gcgtcttt 468

<210> 10440
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a11a1

<400> 10440

atcaaagaag aatatgttca atgtaatgat aaatcattgg acctcagcaa tgagaagatt 60
 gggggtcctg gatcccaagt tatagaaaat tcatgcacaa ccacagctaa tgtgggaaat 120
 ggtggagtta gaagtaagcc tactggaaag gaacagcagg tttttaggca aaagaatctt 180
 ttgaaaactc ggaaaaaatc actggtaaaa caagaggaga ataccttgca ggatttctat 240

gataattggt ctccttcagc agcaccggca aaacaatttc agaatcaatt ggcaccttct 300
 gttatacaat cttctccctc ttcaattctg gggcagccaa agcagatcca aggagctgaa 360
 accctatatac agaatatcat aaatccatat gcggcttctt ctgtgtatgg gaaccttact 420
 aatacatatac ctgctatgcc aatgctatca cagactcacc cagcactttc tgggtatgaa 480
 gtgtctcctg gtattgtgaa tctgtgaat aatttagtgg actcagtcaa gctcaaatca 540
 tgacccc 547

<210> 10441
 <211> 418
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115a11d1

<400> 10441

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 tcaaataatg atagacataa catgaatttt gatgaggggt aggtaggat ggcaaggggt 120
 ccatttagaa atccaacccc aactttaaag cctgggtctaa gtcagtcagg caaaaactta 180
 aaatttgaca tttgataact ggctttggga gacacttttg ttgtgggttat gattaaaaca 240
 acatagccct cacaacctta agtttgggca gatactgata tacatactct ggcatgtttt 300
 aaaacagccg aaaccctaata aatactgata acatgcatgc ataaaactgg ttcccaggat 360
 ttacagggga tagttgcgct tgcttatgat ccgaatggag atttccggac aacctttt 418

<210> 10442
 <211> 650
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115a12d1

<400> 10442

aaacctatca acaccatgcc aaactccaga ttattccatt aactggaacc caaccataa 60
 aaatgaagcc atatatactc catattctat tatagtagca caataacaat aataataatt 120
 ataaatgtct tgctgatcaa ttcacacat ctctgcaaaa ggaaagtgga atttcaaggg 180

accaaaatta caggggagaa ggggaagggt ctgatgcaat aataatgtcc tctgacacgc 240
 cagaaacagg gccaggggca gctccagagc tcaccagctc aacctatggca cgacgagggt 300
 tgggtcttggtg cttctcacac agttctggca aaaacacccc tgcatacacat caaagcatgc 360
 ttagttatta tctatgctaa ttagtaatta tcgtaacaag aaaaatgtaa aatttgataa 420
 ctatgtacta ttgaaatggc cattaaaata gttttataat ataaaattta attattatgc 480
 tcactgcgta aaataagttt ttaatgggtat aaaatataat agttntatat tgtaaaatac 540
 ntttgtgata aaaatttaat aattatagac cgataatata aaataattgt gtaatcacat 600
 atcgatgttg gcataattat taactattat tataaaatca ataaattatt 650

<210> 10443
 <211> 580
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115b01a1

 <400> 10443

gcctccagtg gcatgaacaa cgccgtcaaa ctttagggta tgggtgctgaa ttggctgtga 60
 tacttatcca atctgcaata tatgtgggag taatagcaat gacgcgtttg gcaaggccaa 120
 gcttctcaaa gctatgttat aggcgctctg ataagagcat cacccttggt cataacagcc 180
 tcaaattagt agctttgtgg tgcatacctg ctgcttacgt aacaccattc tttatcattc 240
 ctcacacggt tcaccctctt ctgggttgga tctgtatctt gcttgctact tttgcacttt 300
 gctcaattgc aatcaatatc tttatgctac caatgttacc agttttggta ccatggcttg 360
 gaattgttgg ggtccttatg gtcattggcat ttccttggtg tctgatggn gtagtgagag 420
 cactgtttgt ctttgcttat gccttctgct ctgcaccatt tttgtgggcc tctatggtga 480
 ggatagttca aggtcttcag ttatctctag aaagggaaag ctttctgcca gcangaattg 540
 gagagtcttt cgcaaatacat gggtttacaag tatatgagct 580

<210> 10444
 <211> 447
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220115b02a1

<400> 10444
aagaactttg tgaagcttgt ttcttggtac gacaacgagt ggggatacag ctcacgtgtc 60
attgatcttc ttgtattcgt tgccaagaag tctctttaag gtgttacttc aaagtagctt 120
gtcttcacat tattaccgta tgtttatggt tagctgcat ttagtgtctt gctcgagcaa 180
aaaatgagag gtctgaataa atcggtttct gaaaccagtgt gtgttacttg ttggaggagc 240
attagctctt ttttggaactt ttgatgtttt ctcttggtga gggggatcga gtttttggat 300
ttttatatac tcgctgatgt acttggtctg aatacttgct aatgtacttg ttattgattg 360
ttatagtaga tatttggtccg tccttttttt catttggtgt tctcgtatat ttgatcctgt 420
ttgctttgaa tcttggaattc gtggttt 447

<210> 10445
<211> 398
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220115b03a1

<400> 10445
caaaataatg gacaagaagc ttggcatcac gtctcatgat cctgaagtga gaaaggggcc 60
atggacaatg gaagaagact taatcttgat cacctatatt gccaatcacg gggaaggggt 120
ttggaactct ttggccaagg ctgctggact taaacgtacc ggaaagagtt gccggctccg 180
gtggctaaac tacctccgtc ctgatgttag aagaggggaat attacacccg aggaacagct 240
tttgatcatg gaacttcatg caaagtggg aaacaggtgg tccaaaattg ccaagcatct 300
acccggaagg actgataatg agattaagaa ctactggagg acaaggatcc agaagcacct 360
caagcaagct ttcagcagct ttcagcaaca gagtagta 398

<210> 10446
<211> 329
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220115b04a1

<400> 10446
cgtagccgca attgttact cttccttcgc gaagaagagg taacagcatc cgacaccagc 60

gccagttacc gttttccgcg cgcttccttc cttctcgaaa cgccgctggt ttgctaccac 120
 acctatattt agcatactcc ttogaacctc ctttttctca ccgacgcagc ttccggtttt 180
 aagagagcat gggaagggtt caggtgaata acagggaga attttctcat agggagaacg 240
 atgatttcag tgattcacag ttagttcgtc acttcagagg cgtgcttggt gcaccaacag 300
 ctggtgatcg agagaattac gacgagctc 329

<210> 10447
 <211> 538
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115b05a1

<400> 10447

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 catcggtctt ttcaacaatc caaacactag cacgcggcag ccgttcggtg ctgtctgaga 120
 acagcaactc ccagttgct tctctagaca aagctgatgg ccttccttct tggatgaacc 180
 atgaggaccg aagggtattg aaggctatgg ataacaaacc tgcacctaat gtcaccgtgg 240
 ctaaagatgg cagcggagac ttcaaaacca tctctgaatg tttaaagtct gtccctcaaa 300
 attttgaagg acgttatgtg atttttgtta aagaaggagt atacgatgag actgtgacca 360
 taacaaagaa aatgcaaaat ataaccatgt atggggattg gatcccaaaa gagcatcatc 420
 actggcaaca aaaacttttag ggacgggtgt caggactttc ctaactgcaa gttttgtggt 480
 agagggagat ggattcatag gcctagcaat gggattcaga aacctgcag gccctgat 538

<210> 10448
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115b06a1

<400> 10448

aacaaagtca caaacgagag atattatttt tagatagatg ctctctccg ttcgctccga 60
 ggctccttga ccttccctaa cctcccactc tagcctccag aatagaccaa acacttctaa 120
 ccctcaagtt tgaagcctcg gacctccatt cccaatctta aaactccac cctaaaatgg 180

cagcaaacia caagcgtggc atcttgactg agatctgcgg tccaacaagc ccccgggggg 240
 cggcaccaaa aac 253

<210> 10449
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115b07a1

<400> 10449

ctttgagagt gtcctaaagc tacaagccaa ggaccaagcc aggatgcagt acctttctag 60
 cttggtggct aggaggtcca ttgtcccaat tgcctcaggg aggcaaatca cacaaagccc 120
 tacttacata gtgaaggcca agattggtac ccagctcag accctcctct tggccatgga 180
 cactagcaat gatgcttctt ggggtcccttg cactgcttgt gttggctgct caacaaccac 240
 tccctttgct ccagctaagt ccaccacttt caagaaagtt ggatgtggtg cttctcagtg 300
 caaacaggta cggaacccca cttgcgacgg aagcgcgtgt gcattcaact tcacttatgg 360
 cacttctca gtggcagcta gcctggtcca agacacagtg accctagcca ctgacctgt 420
 cccagcctac gcctttgggt gcattcaaaa ggtcacaggg agctcagtg caccacaagg 480
 gctattgggc ctgggcccag gccattatc actcttgggc ccaaacccaa agctctacca 540
 atctaca 547

<210> 10450
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115b08a1

<400> 10450

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 caaccacctt cgcctccgcc aaaacgccgt cgtttccttc aggaagaaga agcctctcac 120
 tctcagagt gtctcaatgt cttccgttcc tccttcccaa cccttcgaaa tcgccgttaa 180
 agcttccgtc accacacca acaggctcgg cgactgcctt ttttgccaaa ggggtgctgct 240

gacactggag gaaaaacatc taccttatga ccccaagttg gtggatttga ccaacaagcc 300
 agaatggttc cttaaagtca accctgatgg taaagttcct gtcataaagt ttgatgagaa 360
 gtgggttcct gattcagatg ttattactca nacattggaa agagaagtat cccagcccac 420
 cattggtgac cccacctgaa agggccacag cggggtcaaa gatcttttct acattttattg 480
 gattttctcaa gagcaaggat cccaatgatg ggacagagca agcattacta agtggactga 540
 gctctttcaa 550

<210> 10451
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115b09a1
 <400> 10451

caagcaagtc gcgcttccgc catactgact ctgcctgcta ctgagttgtg acttgggcca 60
 agacatgctg agaactctag ttgtgaagcg cagccttggc caccactggc actcgcatc 120
 tcagcacctc cgactccagc ggcaattctc atcatccccg gagcccaact cctccgtgga 180
 tgcagaaacc cgcaagtacg cgggctatgc tgccctctc ctcttctgcg gcggcgccac 240
 ctactacaca ttccccctcc cggacgacgc caagcacaag aaggcgagc tcttccggta 300
 cgctccgctg ccggaggacc tgcacacggt ctccaactgg agcgggaccc acgaggtgca 360
 gacgcgcaac ttctccagc cggagaacgc ggagcagctg gagcgagagc tgagggaggc 420
 gcggagtcgt atccggccgg tggggtccgg gctttcgccg acggggatcg gcctttccag 480
 ga 482

<210> 10452
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115b09d1
 <400> 10452

gcaagcaata atctgaaaga atgcatttat gcataataat ccggattgtg caccagatat 60
 tttgcaaacc caagttccaa agtcaacaac ttaggggtga atatacagta aacataaaaa 120

atatggacaa tatagacaaa taaccaaacac agaatttata tgggtgtctga ttgtgggaag 180
 agctttttcca acatgtttatt cgaaaggatc ctattgggggt ccaattcctt tcttgcttta 240
 ttgtatgcat ccacaggaaa ccgcttttctt agccttttctt ggagagctgc aagctccttc 300
 ttgtcctttg gaacctcaat cttagcccag tgttcatatg cggagtaaca atcccataat 360
 tttgcctgag tcaaatgcct ataatgaaag aattcttctg ttatatcttt cctctgccga 420
 gcatccatgg taggaaggta catgattata cctacccaag aaaatatatc attctcagac 480
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<210> 10453
 <211> 533
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115b11a1

 <400> 10453

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 ttcttgattt gaagattcta gacctggctc aaaataatct tagcggagaa ataccaaggc 120
 ttatatattg gaacgaagtt ttgcaatatc taggcttgag agggaacaat ttggttgggt 180
 cactatcacc agacatgtgc cagttaactg ggctgtggta ttttgatgtg agaaacaata 240
 gcctgacagg aagtattcca gagaacatag gcaattgtac tgccttcag gtcttgatt 300
 tctctacaa ccaactaact ggagagatac cattcaatat tggattcttg caagtagcaa 360
 ctttgtcctt gcaaggcaat aaactctctg gacatattca ccggtgatcg gtctcatgca 420
 agcacttgct gtccatagact tgagctgcaa cttgttaagt ggatcgatcc ctccatctt 480
 gggaaatttg acttacacag aaaaatngta cttgcatgga aacaagctga ctg 533

<210> 10454
 <211> 519
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220115b11d1

 <400> 10454

acaagaattg gatttacttc acctttcaaa ttgtgatgat gatgatacat aatatctttc 60

tttttgttca aatcaaccaa cactaaaaaa aaaaactagt actaaaactt tttataaaca 120
 ttttcattaa ctattacccc tcatccattt tttcgcttct cttttttggt ttttaaataa 180
 tatacatgat tcttggactt gattttcatt tcaaaatccc cgctcactct ttcactcact 240
 gttttgagag attacttctc caaacttgag gaagagttga gcacttgagg tgctcattga 300
 ggggcagttc accaagtgtg gagtcttgag gtttgcatac tcatccacgt agcatggcac 360
 tttggcagat ggatttaagc aggtggtagt gcagctagtt gctttggtgg ggtgtttgac 420
 agcacaaggc ttccgataca cgtgtcactt cgtgcattgt cggcctatca gctggctgcc 480
 tctttgtgca taatagagca agctgataaa cctttttta 519

<210> 10455
 <211> 533
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115c01a1

 <400> 10455

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 atgggtgctt cggcatcggt cacagaaaaa tccatccatg aattcatggt caaggatgct 120
 aagggcagag acgtgaacct cagcacctac aaaggggaagg ttcttcttgt agttaacgctc 180
 gcttcaaaat gtggatttac aaattccaat tacacccagt taactgagct ttacagcaaa 240
 tataaagaca gaggtatggt ttttttaggt ttacagagca gttggtgcac ttgcatgtta 300
 ttggattcca aatttgtgcc ttttcagtga ccaaatactt ttagttaaac tgaaggatta 360
 aaagaaatta ttaaactctga tctcacttga gaatgttttg ttggtctgat ctcaggctctt 420
 gagatactgg catttccatg caaccagttt ctgaaacaag agcccgggag tagccaggag 480
 gcagaggaaa ttgcctgtac anggtaccag gctgagtatc ccatttttga aag 533

<210> 10456
 <211> 575
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115c02a1

<400> 10456
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 ctgtttctgt gaaatctgcc cacaagagcc aagaacagca gggatttgct gcacctccac 120
 catctagcat atcagagaca aatgggttcta ttataaacac taatgaagtt ggaaacaatc 180
 aagaaactga agccgagggc tattctatct atgtgaaagg tctgccacca actgctacgc 240
 ctgccgtctt ggagaatgag ttttaagaagt ttggacctat taagagtggg ggtatccaag 300
 ttaggagcca aaagggattt tcctttggct ttgcggagtt tgaagtggca agtgctgtgc 360
 aaagtgcact tgaggcttct ccaattttga ttaatggccg ccaagttggt gttgaggaaa 420
 agagatcaac taatcgaggt aaggagcgtt tctcatctgg cagggtcctt agcttaaggg 480
 tgaaggtgca aagggcngtg aaattacgga atggccgaag cttggccgtg gtgactttat 540
 ggcagggaga tatggtatag gaatgggcat cggga 575

<210> 10457
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115c03a1
 <400> 10457

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 cccgtggcat ggctctgccg tccgagcctc accgccgtcg ccgccacaac cacaaccaca 120
 tctccacctt tctccaatcc accgcctcca acttcgcctc tctcttcaac cccccaacc 180
 ctccctccct gactctcccg caccgcacca cctccgtctc cctccctctc ttcttcgcgc 240
 ctccgtcttc cggttcctcc accgtggact cagccacttc caagcccgcg catccccag 300
 caaagtcagt ccgcatcgcg cggcttggtg ccaatggaaa aggcggcggc gggccagtct 360
 tcttggggga ggtgttcagc ttgtgcgacc tctccggaac ggggctcatt gccgcttcca 420
 agcacttcgg cattcccttc atttcgaaa gaacccctga gtggctgaaa aaaatatttg 480
 caccgatcac caagagttag 500

<210> 10458
 <211> 471

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220115c04a1

<400> 10458

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tagcttagct atgatgaatg aagaggagta tagatgggtca acgttttttg taagcaagca 120
agaatcacia attggaacca tgtttctcaa atgttttggc ttcggcgctc ggggacagta 180
tccaacggtg atagaagacg gcgctcggag acagtatcca acggtgatag aagagttgtg 240
ccatcgattt tctctcgcag atctaaggaa atcaaccaac aatttcgatc aaaacacagc 300
aattgatcgt ggtagagtat ataaagggtg tctccaacac aatgaagatg cttctgagta 360
tacagtcgct gtaaagcgat ataatgcggt agaggaagaa gaagggttca nngaagaata 420
gagttactct gtcagcttcg tcacccttat ttggtctctc ttataggatt c 471

<210> 10459
<211> 500
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220115c05a1
<400> 10459

ccggcggaga aaacggtcgt cgtggagttg aagaacgcgg aattgcccaa accgaaacag 60
ggtttgatgt tgaaattgaa ttacgacgac gttcggaacg cttggtctga ccgcggaaca 120
ccgttctccg acgacagtcc cctagccgac gtgcgggaa atgacgtcac tgcgcggtg 180
tcgcaaattg atttgttgtg ggacaatgga ggagttagag aagctagcgt gctgcgctac 240
aaggagaagc ggccaacgcg cctcttctcg aagaagatca ggtaccaggt caggaaagtc 300
aacgcagatc gacggcccag aatgaaggta cgagtcagtt cacagttgag ttgaggacac 360
ttgaagaaac ttgatttatg tcagattaaa aaaaaaaga aaaagaaaaa gggaaatctg 420
ctttttgatt tggatgatgat aattggataa tgaggtgggt gcgtgcgtca cagttttttt 480
tttttttttt gttatggata 500

<210> 10460

<211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115c06a1

<400> 10460

cagggtactga atttgaattt gaatgtcaat ggatgtcaaa caagattttt ctgctgaaca 60
 aactactcag ctacagtgtgta atacttgtgt ttcagggtca ggacaccagt tgaaaattca 120
 ttgaggggatg cgaaactctc gtttaaggat cttgacgaag tcatccttgt tgggtggatca 180
 acacgtatcc cagctgttca ggagcttgta aagaagttga ctggcaagga cccaaatgtc 240
 actgtcaatc cagatgaagt ggntgccctt tgagctgcag ttcagggtggg atttagcttt 300
 tatcaatgag gagaagggga taattataaa gggggcgaat atctttttct tctctggata 360
 gtatattatt tttgttgatt aatgcttctt attgtaattt atgttttttag gctgggtgtct 420
 tggctggaga tgtcagtgat attgtgctgt tggatgtcac ttcattattc ttgggtctgg 480
 aaactctagg tgggtgtgatg ac 502

<210> 10461
 <211> 333
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115c07a1

<400> 10461

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 agtcatgggc aagggtcaaga tcggaatcaa cggatttgga agaattggcc gtttggttgc 120
 cagagtcgct ctgcaaagag acgatgtgga gctcgttgcc gttaacgacc ctttcattac 180
 caccgattac atgacataca tgtttaaata cgacagtgtt cacggacact ggaagcatca 240
 cgatgtcacc gttaaggacg agaagaccct tctcttcggt gacaagccag tcactgtttt 300
 tggacacagg aaccctgaag agatcccatg ggg 333

<210> 10462
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115c08a1

<400> 10462

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tttttctcca aagtttcggt gctgactgat agaactactac ctattcagcc gccatgcaca 60
ctctcctccg atccactctc aggaccaaga ctgcttcac ttttagcatat gctgtgggtt 120
ccagaagtgc tcacgaaaat ctccctcagg ctcccttatt gtctagatca aatagcactg 180
aggcttcatt ggcaaaggat aattcctcta atgatgtaaa aaatgggtcaa gggatataaag 240
gtcatagtat gcttgctcct ttcacggctg ggtggcagtc ttctgatttg caccctctga 300
tcatagaaaa gtcagaggga agctatgtat atgacattaa tgggaagaaa tatcttgatg 360
cacttgctgg tctatgggcc acttcttttag gggggaagtg agccacgcct tgttgatgct 420
gccgttgac aactaaagaa gttgccattt taccattcct tttggaatcg aaccacatta 480
ccttctttgg atctagcaaa ggaactccta gaaatgttca cagc 524

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<210> 10463

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220115c09a1

<400> 10463

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ccctttgtga ctccaaacaa agccacacaca ccaacttcat ttccattcac aatgtcaatt 60
tcctccactt ccaactcctt cattcccccc aaatctttta tcccccaatc ccacccctc 120
attcccaaca tcaggcccg gctccggccc aagcctggcc catccccctt catcctcgcc 180
gtccacgccg ccgagcccg caaaaacccc gtcgtcaccg acaagcccaa gccccaagcc 240
caacaatctg catccccggc cgcgggccgt gcaaccaa at gggccgtgga cagctggaag 300
tccaagaagg ccctgcagct gccgaatac cccaaccagg aggatctcga ggccgtcctc 360
cgcaccctcg acgccttccc tncatcgtc ttcgcccggc agggccggac actcgaggag 420
cacctcgccg aggcgcgat gggaaatgcc ttcctcctcc agggcgagga ct 472

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<210> 10464

<211> 517

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220115c09d1

<400> 10464

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atacaaacac aacacaaaat caaagtgaca accatcgatt aataataaat atgtaggaca  120
aaaaaaaaaa aagaacaaaa atatctttct cttgttggtt ttgaaggcac ttttacactc  180
ctaaaggggc aagaggttgc tgcgatctga tcctgctctt tctcaaacgc tcgggggatga  240
tgaaagcaag ctcaagagat tgggaagcat tgagccttgg gtcacagggt gtgtggtaac  300
gtgagctcaa gtcacaaat gtgaccgtcc ttgaccacac aatgcactcg gtcacattct  360
gaccgctcat cttagatga acccctcctg ggtgggttac ttcttgctcg tgcacatcaa  420
agaatgctct cacttcagcc ctgatgaaat cgaaggggag agttntaaga ccacatggag  480
ccttaatggt gtttccatgc ataggatcac tgaccca                               517
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<210> 10465

<211> 408

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115c10a1

<400> 10465

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ggcggggtcg gagacgccgt ggcgcgtgtg agggagaaca tctcctactt ccagatgaac   60
tacgcgatcg tcgagctcat cgcgctgttc ctgagtcttc tatggcattc aatctcgctg  120
atcgagtctg acgagctcat ggcggcgtgg ctcttctctt acttactgcg agacgaaccg  180
atataatctt cggaagacta attatcgacc gcgtcgcgct tatgagtatg gcggtgctga  240
ccgtcgtgct gatgcttctc accggcgcca tcggcaacat cctgtgggag ctgctcatcg  300
gagcggcggt gatagtggcg cacgcggcgt tgaggaaagc cgatgatttg ttcttgagcg  360
aagaataggc cactggattc tgtccttccg gggtcctctt ctctcgat                               408
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<210> 10466

<211> 445

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115c10d1

<400> 10466

attgaagaac ctttttcttt ttttagcatt actaactcag tttagggaac aacatatagg 60
 aaaatgaatt tcctttttcc aaccatgttt ttttgcaaac acaaattgca aatttcccct 120
 cttataagg gcaaaccctt cttaaccgaa agaaaccaac ctgaacctaa aatcctttac 180
 tacattgccc aaattacatc ttcatatgaa gaaacaaaga attgttttca gaatacacga 240
 gtcctctggg gaaaaaactc attggccttt ttttcgccc caaacaaatt atgagttttt 300
 cttaacgcct ctttcgccat tttcaacacc gtcctgtgt gccccccga cttgtttttc 360
 tcgaccgccc cgaaaaaag cgcaacctca actgttataa cctccataac aagtggcct 420
 acgtgcctc tgattaatct ttcca 445

<210> 10467

<211> 602

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115c11a1

<400> 10467

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 aattctgaat caatcaatca gtaattagag ccattaacga ctgcaatggc ctgcgagaag 120
 tgtgagaaga aattatcgaa ggtgatagta ccagacaaat ggaaagaagg ggccagcaat 180
 actaccgagg gtggtggccg caagatcaac gagaacaagc ttctctccaa gaaaaacaga 240
 tggaccctt acggaaacac taagtgcacc atttgcaagc agcaagtgc ccagaatgct 300
 aagtactgcc acacctgtgc ttactctaaa ggagtttgtg caatgtgtgg aaagcaagtt 360
 cttgatacca agttttacaa acaaagcaat gtgtagtgga tacttgtgtt gtattgcgtg 420
 ctgtatcttc ttttagatgc ataatagcat tacctttctt tctatttgtc tagatgatcc 480
 tattgctaac aatgtaactg aagctgtata aagaagaaat acagtgaggg attttctgtt 540
 atctgtcttt tgcaatgtac tcttgcatgt ttattctaga tcaaaacata tgccatggcg 600
 tg 602

<210> 10468
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115c12d1

<400> 10468

gacgtggaaa gttttggata ttagacatat tataagggca acgctgaaaa aacttccagc 60
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 atgtgaagtc aggggtcttct cttccaaagt gtccataggc agcagtcttc aaaaacctgt 180
 tatttccacc cctcttgaga tcaagggtga tggagatcat accaggcctg aaatcaaagt 240
 tttccttcac aatgttgaga atctccttat catggatctt cccagtgcc taggtgtcaa 300
 caaacacaga caaaggctca ggcacaccaa tggcataaga cacttgca ca atgcaccttc 360
 tggcaagtcc acttgccaca atgtcttag cagcctgtct cacaatgtaa gcaccactcc 420
 tatcaacctt ggtagggctc tccccggaga aagcaccacc accatgagca ccccatcctc 480
 cataagtatc gataatgatc ttgc 504

<210> 10469
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115d01a1

<400> 10469

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 ccctcctcct aattaccatc tgcacactgt cctcacttct gtcagttgca tctgcagcaa 120
 cagaggaggg acgaacaagg ccattcaaaa gggcttatgc ctttggagac tctttcacag 180
 aactggcaa caccctaaat gcagaaggc caagtggctt tggccatgtt tcaaactctc 240
 cctatggaac cactttcttt aaccactcca ccaataggta ctcagatggg aggcttgtga 300
 ttgattttgt ggctgaagca ctttactgc cttacttgcc cccctaccgt catagcaaag 360
 gcaatgacac ttttgggtgt aactttgctg gtgctgggtc cacagccata aaccatttgt 420
 tctttgtcaa gcacaacctc tcccttgaca tcaactcctca gtccatccaa acccagatga 480

tatggttcaa caggtacctg gagagccagg actgccaaga gtcaaagtgc aatgattntg 540
 atgacactct atttggtttg gggagattga gtcaatgact atg 583

<210> 10470
 <211> 574
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d02a1

<400> 10470

cagacacaga gagagagaaa gagaaagagt aactgagttg tattcaatat tcacaatttc 60
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 attccttcta cttctggcgc catttgcacc ttcaaaactc catctttttt ctttctctcc 180
 ttccatttct ggaaacacc tcattggaacc aacaacaaca ttgaacaaca tcatcaacaa 240
 caacaacact gttcctgcag ggtcaccacc accaccacca ccaccctcag tgcctcagcc 300
 aatgaacatg aatgtcaaca tgaacatgaa cgtgggaaac acagaaggaa caacaccagc 360
 agttccaaca ccaacacccg cgccaacacc agcaccaaca acaatgggtc ctgcagtgcc 420
 agctccaacc acaacaacac cgtggagttt ggatttggtt gggaagaaga agagagggag 480
 gccagaaaag tatgatgcag atgggaacct gagagtgagt gcaacaccac caccaccacc 540
 tggtttctact ttgtccacac ctctctctga gttc 574

<210> 10471
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d03a1

<400> 10471

agagaagcga ggaggagggg ggtgggttgc ggtcgagggt aactaaccaa cgctaagcag 60
 ttgttgagtt tggttggttag tagatgagcg aagtgttgac gatggcggac gtcacggcga 120
 atttgcaagc agcaaccacc gcatccacc cttagcgcgt cccaccaat atgcctctac 180
 tctccgcttt cctctcttc gctctgcac agttctcaa gatcttcacc tctgatatt 240
 catgtgtaac gaaaagaga 259

<210> 10472
 <211> 330
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115d04a1

<400> 10472

aagtgggaga aaacagagcc taagcaagaa aagaagctaa ggtgtgagtg agcagagaga 60
 aacagggcta tcaagagaat ggccctgaac gattttttcg cgggggagat cgcgacggag 120
 cttctgaaaa tgctgacag catctcccgc aagtccctcc tctgccgcgc cagcgccgac 180
 cagctcatca gctacatcca cgacctctc cccttccttg gaggaatca agtcctccgg 240
 ggtgaagctt cttgcaactgg gccaatcgaa actggaccgt ttttcgaaaa tttccggttc 300
 cgcggtgaag cttccaaca ggggtcttttc 330

<210> 10473
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115d05a1

<400> 10473

gtctatagca ctactagatg ggggggtttga tgccttatcc gtgaaaccat ttatggagaa 60
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 tatctgcgga tgctctgtct gcggacattc ctgcacttat taagagagat gaggacattc 180
 ttgcatttgt ctatagccta gtatatgaag aagaatctta tgagttcttg gactggacag 240
 tgggaacata gaacatgaat gggtttcggt tctgctcttt gttcttcata tnggggtcgt 300
 gtagccagat gatatatata atggatctga cgcgcttttt caaagtgcag aagatacagc 360
 actagatata ttggatgcat caaatgagct tgctcttttc ttagcacgag ctgtgattga 420
 tgatgtattg gctcctctga atccagagga aattagcggc ccgttgcttg caagatgcac 480
 tggttgtaaa actggacgga tggctagatc acttggtgct gctcgatcat ctggtgagag 540
 actatagaga tg 552

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

<400> 10474

<210>	10475
<211>	271
<212>	DNA
<213>	Glycine max

<400> 10475

<210>	10476
<211>	467
<212>	DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220115d08a1

<400> 10476

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tctatgagga ttcagggggg cctctcgggg tggaggatac tgtgcacgca gcacgttctc  180
tgtagccct cattggattc ttgcttttcc cattgatatg gagtggctct gaagctttga  240
tcaactgctga gatgggtacc atgttccttg aaaacagtgg atatgggcgt tgggtttcgt  300
ccgctttggg tccctattgg gggtttcaac aaggcttgat gaaatggctg acgggggtga  360
ttgacaatgc attataccca gggctattcc ttgactatca gaaggcacga atccctgcta  420
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<210> 10477

<211> 602

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220115d09a1

<400> 10477

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gcgggactgt gagttcttgg aagctgagaa aattatggat tacagtcttt tggttggcat   60
tcattttcgt gatgataata cgtgtgacaa aatgggattg tcaccttttc ttttacgcac  120
tggcaatcgg gatacttata agaatgaaaa gttgatgcgt gggttatcgt ttcttgaagc  180
agagctacag gatagagatc gagttaaata tgggaaggaaa tcattaatca ggctaggagc  240
caatatgcct gcaagagcag agcgagtggc ccggaggagt gatcttgatc aatacactac  300
tgctggaatc agccatttga ccccttatcg cagtggggag acttacgatg tcattctata  360
ctttgggatt attgacattt tgcaagatta tgatatacgc aaaaagcttg agcatgctta  420
caagtccttg caagttgact ctacttcaat ttctgctgtt gatccaaagc tatactcgaa  480
gaggtttcgt gattntgtag ggagaatatt catttgagag aggtagcaga tgggttaaca  540
atgaggctgg aatattttctc tttctgaagg tgaagatgcc tgattgctca taacatccca  600
gg                                                                    602

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<210> 10478
 <211> 550
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d09d1

<400> 10478

aaagtagaaa aaaaaaattc tttcaactat ccaccccttg tataaacact gtacattctt 60
 ttttttgttt atttcctaca cttatccacg cattttgaat caaagctcag ggaaacaaca 120
 ctccacgttg ttccctcttc ctatctctcc caccaccata tattcaaatt ctatttagta 180
 gtaaccacaa aaatttcaac aagccccacc ccatttccta aaacaaagga aagaaaaaac 240
 aaattccgaa cttcatccca atcttccatg tacaagtttt cccatccttc agcacaccat 300
 cacaatgggt gtgtttataa aattaagcca taaaaaaccc caattccagg gaacttcggt 360
 cagccatttg accgtggcga ggcattttta ccagtcaact ccaagacctt tgacaagggt 420
 ttcaaatttc acgcattttt ttcttgatg ttatgagcaa tcaggcatct tcaccttcag 480
 gaagagaaat attccagcct cattgttaac ccactgcta cctctcttca atgaatattc 540
 tccctacaaa 550

<210> 10479
 <211> 554
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d10a1

<400> 10479

gttgttaccg ttttgctttg ttgaagattt tttgagggtta ttccggtttt cttcttttgc 60
 atgttcattt ctccgtcgat cagtgaagtg tgaaacgacg ccgtttcgtt gctctcggct 120
 cgaactgatg gagtgggttt ctctgtgatc tcgaggggga gttcggcgat gtgtgagcta 180
 attcggtgcc tgggtgtttga ttctgttttc ggatttgccg atttttttgc tcgaattata 240
 tgaaatgttt gattggaacg acgaagagct agctaacata atatggggtg aaggaggtga 300
 gagtgttgat catattgtgc catatccaga ggtaaatgaa gatgttagca acataaaaga 360
 gtggaatcaa gaagctgctg cgactaagct caccaagctg aagaggccag aggctaaaac 420

tgattttcat gaaagaaagc taggaagcag ttccaacctt gataatagtg gagaactact 480
 aacctcagga tatggaacaa atgcatggcc tgacttgtct ttatccactt cagctaacat 540
 tgatcagggt tccc 554

<210> 10480
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115d10d1

<400> 10480

aaagcctggt ctaagtgagt caggcaaaga cttaaatttg acatataagt ggctttgcaa 60
 gacacttttg ttgttggtat gattaaaaca acatagatac tgatatacat tgatcatgtt 120
 taaaacagca gaaaaactaa taatactgat aacatgcatg catgaaactg tttcccagga 180
 ttctacagtg atagttgcac ttgcttatga tccgaatggc tgacaataaa ataaaacatt 240
 tgcattacca ggaaatccat atatattgaa agagggaagc ataccaataa gcatagatgt 300
 attaaggaag gatttaccct tagatttcgg gacaacctct ttttttattg agaggcttca 360
 agttcatgtg tgttggtatgc atttctttgc atgtctatgc aagggttggt ttttaatttga 420
 tccatagact gggcatcaac ccaagggtt 449

<210> 10481
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220115d11a1

<400> 10481

tccaatcctt tttttccatt cctactatt ccctatcatc tttctttgtg ttctcatctt 60
 tttcttttc ccaagcaatt gtacttttta ggggcataca cgtaaagcag ttggtttctg 120
 gagtagttag agttacatgt gttttgcagg cacatggcaa cacatgaaat ggatcccgat 180
 gttgttcgct ggggtcttca tctcctagat gtctgcacac tttctcacca tggttccctt 240
 agtattgtaa ctcaatatga tctgattta agtcgagttg aatatgttac cgaaggcttt 300

tgtcagcatg agtacgtgga taatgatgag gctgttgac gagcatatca agaagaatta 360
 tcgcaacttg attccatggg agcttctggg atatccaatt ntgagaatga aggaatgcaa 420
 ggatctgtct atacacaaga ttggcctcaa tcctcanatg ggaaatataa ctttg 475

<210> 10482
 <211> 630
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115d11d1

<400> 10482

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 gttttttttt tttttttttt tttttttttt ttataaaaaa acttaaaata aaaaaaaaaat 120
 taaaaaaaaa aaaattacac ataaaaaaca agcacatctt gatcacacag ggagcgaaaa 180
 aaacaaaaaa aaaaaaaaaa aaaaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa 240
 aaaaaaaaaa aaaaagggcc ggagccttaa ttaaccaaac aacaaaaaaa aaaggatgga 300
 aaaaaaaaaa acgggggggg aaaaaaaaaa aagggggggg aaagaagaaa aaaccctca 360
 aaaaaaaaga aagagaaaaa gaacaaaaaa aaaaaaaacc attaatattt ttttatgaaa 420
 aaaaaagggg ggctctctc accaaaaaaa aaaaggtaaa aaaaaaaacc cacaaaaaaa 480
 aaaaaaaaaa accccccctt acctccttta ttgcgagaaa aaaaataaaa ggcgagtcc 540
 ctcaaaaaga aaaataaaaa atatttgccc cccccctac ttccccccga caagataaga 600
 aaaaaaacc cccccctc tcgtgtttat 630

<210> 10483
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115d12d1

<400> 10483

atatgactct ggtgttattt ttgattttgc aaattaaatt acacaatcac agcgtacat 60
 cacacatgag ttgggcctct tccaacttaa aagcagagga taacattggc ccatgacgag 120
 acacatgcac cacctaataa tcataatttt acatctttac atacaaaata caaagacttt 180

aaatttttaa aagaagaaaa gagataaaca gatcatctta atgaaatgaa accaaaaccc 240
 acaaacattg gcttgatttt tggtgtgtgt gttgttccca acttgattaa gcatgaaccg 300
 tttgattgaa tcacttggac ttgaaggga tggccctgat tacgacctgg tggtagagtg 360
 ctgcaagagc tgcaccgatg aatggtccca ccagaagat ccagtgttca tccaaccaa 420
 ggtccttgtt gaagatgata gcagcaccaa gactacgagc agggttgata ccagttccgg 480
 tgatggggat ggttgccaag tgaaccaaga acacagcgaa cccaattggc agggtgccaa 540
 aatgggacgt gggagtc 557

<210> 10484
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115e01a1
 <400> 10484

atgcgagaaa tgatatttga atgaaaagta taattgtcta tgctaacaaa gataatgtat 60
 gtaatatcca cttcccttcg tattatgtag catgttttat cggtgatttt taactttctg 120
 ttgtagtagt aggttagtag tttgagggtta tagaggttct tactcttttg tagccacccg 180
 gttgtgtaga tatatatgac attgcaactg gatcatcagg gaagtcacca ccatggcttt 240
 cttttcaact tgattcgatg tattactgac tggggaagtg ggttttcaga gaccttaatg 300
 tatatatatt ttagtttctc 320

<210> 10485
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115e02a1
 <400> 10485

tgcaaaactca ctggaaaaag tcctgaaaga agagatgggt tcagaggaaa ccaattttcc 60
 aagcaaacct tcaagaaggg tctctcatca tgttcagtct gatgctacaa gggaaacaac 120
 aactcatgct tggccacaac ataggtcacc atcaccacca ccaccatgtg ttaaaggtaa 180
 caacaacaac aactccaaca atgaaattga tgtgtccatg tcttcagggtg cacaatattg 240

ttactacatg ttggaggcta tgcctcagcc agggccaaca tgggccacaa caggaccttg 300
 tgtattggct gagccaacac caacaccatc cccatcagca ctcattgaag attcttcatg 360
 tacttgggtg ctgggatacc ttgaaggctt agatggcaat ttgaccactt tgaaattgga 420
 tccccattt gtggaaaatg ttgtgatgga aaatggtaag ggccttggt tatgaatcca 480
 ctcttgtgga tgc 493

<210> 10486
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115e03a1

<400> 10486

gggtgaaggg aaaaatcaaa tcaacatgct gagagtgggc gcaaagaggg ttttggaac 60
 gacgttggtt ggggttaggg ttccggcgag gctgtaccac gagagggttg tggatcacta 120
 cgacaacccc cggaacgttg gatcggttga caagaacgac ccgagcgtgg ggacgggttt 180
 ggtggggggc cggcggtgcg gcgatgtgat gaagctccag attaaggctg acgacaaaac 240
 cggaaaaatc gtcgatgctc gattcaaaac ttttcgctgt ggctccgcca ttgctttttc 300
 cttcgtcnct actganntgg gtgaaggga ngcacatgga ggaaagttct gactataaaa 360
 aatactgaaa ttgcaaagca tctttcactt ccaccagtta agtccactg cagcatgctt 420
 gctgaagatg ctatcaaagc ggccgttaaa gactatgaag ctaagcgtgc ttaggcaact 480
 g 481

<210> 10487
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115e04a1

<400> 10487

tgtgttcaag gaaagaatac tgttttttac tttgaagtgc caaaagggca tcattcttgc 60
 ttggatcccc tgttcatatg tgacactgta ctttgtgtga tatatttaaa atgtctctgt 120

agcaaaggac ggaagaatat taggcatgat gagtgatgac tggagtaggt aggatctgaa 180
 ttgttttttc tttttctttt aaaggcatcc tacatgccac atcatttctt ttttgcttga 240
 gtttacaagt tattagttct gctatcaata ttcatttttg cgtgtttgta ctgacatgtg 300
 atgctcttct aaaaatatgc agaaatggcc ttagggaacg acgcagaagc agaagttgat 360
 tttgagagtt tgggtattggg tatctgtgat tgtaagaga atagtgagat tttgttaatt 420
 tagtggtgct ttgactgaag tatgagtctg ttttgttggg caaggccctg agtttctact 480
 cttggattgg aatagttagt ttattntatg tctcagctt 519

<210> 10488
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115e05a1

<400> 10488

gaaaatgggt acttctttgt ggactttgtg ttttaatttg gcttgactag cctcttttgc 60
 atgatgggcc tttccacaga cgccagtagg atgttccatt ccgcagaaac tacgtaccca 120
 cttgggcttt tgatcacatc taatccttca gtggaggatc tgaaattcaa ctttatctag 180
 acaagttcac tggctctgac ttccagacta aagggtcata ctgatatggc cacttaagaa 240
 tgaacataaa gatggtctct ggcgaaatcag ctggcacagc aactgctat ttatctatct 300
 acctacaatg cgagagcacg acgagataga acttgagctg tagcggaaca caacacgacg 360
 accttacatt ttgcaaaca atgtgcatac cgcattgcgc ggtgacagtg agcatagaat 420
 c 421

<210> 10489
 <211> 585
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115e06a1

<400> 10489

ggaatctttg caaaaagatg gcccctctc ttgtgacatt actctctgca gaacctgaga 60
 tacaatatgt agcattgcgg aatatcaatc ttatagttca aagaagacca acaatacttg 120

ctcatgaaat taaagtgttc ttctgcaagt acaacgatcc catctatgta aaaatggaaa 180
 agttagaaat tatgataaaa ctagcttcag accgaaatat agaccagggtt ctattggaat 240
 ttaaggagta tgctactgaa gttgatgtgg atttcgtaag aaaggctgtt cgagcaattg 300
 gtcgttgtgc catcaaattg gagagagcag ctgaacgatg cattagtgtt ttgcttgagt 360
 tgataaagat aaaagtaaata tacgtgggtc aagaggcaat cattgttatc aaagatatat 420
 ttagaagata ccccaacaca tatgagtcca taattgcaac actttgcgag agcttagata 480
 ccttgatga gccagaagct caggcatcaa tgatctggat aattggcgaa tatgcggaaa 540
 gaattgacaa tgctgatgaa cttcttgaaa gtttcttgga aaatt 585

<210> 10490
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115e07a1
 <400> 10490

cttgggattc ggctcgagct cgtacaacgt gctagcgatt acgtatgatg atcttggtcg 60
 gagatcaggg ctccggacaa tggagcgatg acttattctt gtcacctat attgccaatc 120
 acggtgaaag ggcttggcac gtttgggcca atggtagggt acgctatcgg gccgtagaga 180
 ggtgaccagc tgctggtcta ttctaccttg gtctgatgg tagatgaggg aataatactc 240
 ccgatgaaca ggttttgttc atcggactcc atgcatggtg gg 282

<210> 10491
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115e08a1
 <400> 10491

gcctggctct gtctctgtct ttgtgttga tgctgacgat tccgaaccag cgaccttgtt 60
 cgtttgtcgc aaagttcaag tgatcatggg taaggacaag actcacatca acattgccgt 120
 cattggacat gtcgactgtg ggacgtcaac taccactgca catttgacct actcgctggg 180
 aggtatcgcc gcgcgaggga ctgagagggt cgaaattgcg gctgctgaga agaacaagag 240

<210> 10492
 <211> 586
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115e10a1

<400> 10492

gtactgtgga aatcattaca tctgtttaac tcattaggaa gggagacaag gttggatctt 60
 ctgaagctgc attgcttgcc aagctaggca taaggccctt ctcatatggg cttgtgggtc 120
 tctctgttta tgataatggg tcagtgttca gccctgaggt tcttgatctt actgaggatg 180
 acctcattgg gaagtttgct gctgggtgtc caatgggttac ttcactttca ttggctatctt 240
 catatccaac acttgctgca gcaccacaca tgtttgtcaa tgcctacaag aatgttcttg 300
 ctggtgcggt tgagacagat tattctttcc cggaggcaga caagggtcaag gagtatctga 360
 aggacccaag taaatttgcc gttgcgcgcg ttgctgctcc tgctgctgca tctggagctc 420
 cagcggctgc agccaaggag gaggaaaaga aggaagaacc agctgaagag tctgacgatg 480
 acatggggtt cagtctgttn gactaaattg aatcaatact tttgttgagt ttgctttgtt 540
 agaaatgatg aagttgtctg gcttttcatt taggtgctat tttagt 586

<210> 10493
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115e10d1

<400> 10493

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 cttgatttaa aaccataaga gacaaaaatg ttaaagcttt aattaactat gggatttaaa 120
 aactagttgc aatgtaacat gaattgaaaa gacagcaaac taaaatagca cctaaaaatga 180
 aagacaaaca acttcattaa ttctaacaaa gcaaactcaa caaaagtatt acttaattta 240
 gtcaaacaga ctgaaaccca tgtcatcgtc agactettca gctgggtctt cttctttttc 300
 ctctccttg gctgcagccg ctggagcacc agatgcagca gtatgagcag caacggcggc 360

aacggcaaat ttacttgggt ccttcaaata ctccttgacc ttgtctgcct tcgggaaaga 420
 ataatctgtc tcaaccgcaa cagcaagaac atttttgtag gcattgacaa acatgtgtgg 480
 tgctgcagca agtgttggat atgaaatatc ccatgaagtg aagtaacca 529

<210> 10494
 <211> 599
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115e11a1

<400> 10494

gttgccgcca tgagattgct agaatgatca ttatgcatga ttaccccctt cacatgggtg 60
 agcatccggg ttttgttgca tttgtccaaa atctgcagcc ccagttcaat atgggtgacat 120
 ttaacacaat tcaaggagac tgtgttgcaa cttacctgat ggaaaagcaa tgtgttatga 180
 agtattttga tggattacct ggacgtgtgt gtctcacact ggacgtttgg acctcaagcc 240
 aatctgtggg gtatgtgttt attactggac attttgcga tagtgattgg aagttgcaga 300
 ggagaattct gaatgttggt atggaaccat acctaatc tgactctgct ctcagccacg 360
 ctgtagctgt ttgcatttct gattggaatt tggagggcaa gctgttttct atcacttgtg 420
 gtcagtcact gagtgaagtt gtccttgga atctcagacc gttactcttt gtgaagaatc 480
 cacttatect caatggtcag ttgctgattg gaaatngcat tgcccgaact ttaagtaatg 540
 gtgcaaatga tttgttgagc tcggtgcac tcacagttaa aaaaatccgg gatagccgt 599

<210> 10495
 <211> 457
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115e11d1

<400> 10495

ggtgaaacaa aaaaaggaaa ctagaattta aaccttcggg gccaaattta cacattaaat 60
 gtcaccaaag ttgcctaaca aagaactggg accttcagat aaaatacaag aacctcccca 120
 cataacgggg cccccccct aaaagaagt ccctgaataa aattttaaac tcccttttcc 180

ccagcccatt ggaagctttg ggtgctccat actggatcca gttttttgca catacaaggg 240
 cccccactgt ttttggccgc agggaaacttt tatactgaac cttttttttg actttttgttt 300
 caaaaacaga ttctggggga aaacttgaaa ccggaacaga cagtttttttc ccagccattt 360
 tggaaagaga aggggccttg agtttggtta gcttccacca acccaatata ttaaagtttg 420
 gaacacgtgg caacaaggat ttttccaaaa actgggc 457

<210> 10496
 <211> 536
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115e12d1

<400> 10496

aaacaccaat ccatttcttt ctttgaagac ataatacaaa aaccaattac tgaagtttat 60
 taattcaatg aggtcttcct caaagaatta atccagagta aaagccatgc aaatcacatg 120
 acatttctca gtacttgta gctgctggag attaateccc attctgcaat caacacatat 180
 ctttacattt cctcaaactc gttaataata aactaaaact ccactaccaa tgaaacatat 240
 tcatgaacct tttattcact cacgctgctt tggcaacatt gaactactat ctgacacagc 300
 aacattacct tggttctcca catatggcct aatgaagggt ctctccacc acacctcaaa 360
 tgccctttga agattgggac agctatcacc agttttcaag aaactcccca accatgaaag 420
 caaaatgctt tggtgatcct caagaggcaa ggtgagaata gtctcccaa ttccttcctc 480
 cacaagtttc ctatcaaag acctgcatcc atgctgcagc cagttgtagt cattca 536

<210> 10497
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115f01a1

<400> 10497

gtccttgaag gatttgaagc tcatggaagt gaagaatgga aggttggcta tgttggcaat 60
 cttgggttac tttgttcaag ctcttgctac aggtgttggc ccatacaaaa acctcctaga 120
 tcatttggct gaccccgctg acaacaacat cttgaccagt ctcaagttcc actgaatgta 180

ttatatgtta ttttacatat tctttacgtt gccaaaactc aactaccttt ctacctttct 240
 atatcatgtg gacattttgt tccttggtgt ggcgctgtaa gaaatgacat gt 292

<210> 10498
 <211> 89
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115f02a1
 <400> 10498

ttcattacat agccagaggt ttttttacca taacaaaatc atcaacaaac aggcgggaaa 60
 aaggtaaacc tatcgaccgt gaccgcaga 89

<210> 10499
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115f03a1
 <400> 10499

tttgtcccca atttaactat tggcgctcca gttattgaaa gtttgagaaa gcacacaaag 60
 ggatatttgg attgtcacct tatggttaca aatcctcttg attatgttga gcccttggca 120
 aaagctggtg cttctggttt tacatttcac gtagagacat caaaagataa ctgggaagaa 180
 cttatccaaa gaatcaagtc acatggcatg actcctggtg tagcattaaa gcctgggacc 240
 cccattgaag aggtttatcc tctggtggaa gccggaaatc ctgtggaaat ggttcttgtg 300
 atgactgtag aaccgggatt cggaggacaa aaatttatgc cagagatgat ggataaagtc 360
 acgtatactt aggaagaagt atccatc 387

<210> 10500
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115f04a1
 <400> 10500

aacagctacc acacatanat tactaacaag attaaagtac gcatatctgc acctacgctt 60

cgagcaaac gataagataa agttacaaat ataattcttat tttnnnnnttt gnnnnnaagg 120
 gngatcgctg gtaaccaaga cgaannntgn nggcacacgc acgcgaacgt aaaattcgaa 180
 ttgagctcga ggcgaactta aatatagaca ttttatgttt ctcaaggatc actactcact 240
 ctgttatacc gcactgtcgg agtaacacct tccgatcctc gaaaatcact tcctcaatgg 300
 gggcttaatt tcctctccta cactcacagg ctcaaccaga ttaagaaaag ggcaagtggg 360
 gtatatgcat cactatccga gagagagaga ggagagtatt attcccagag accgccaaact 420
 ccgctactag agaccggcaa ctatcctatt cataagaaaa agctctctac c 471

<210> 10501
 <211> 609
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115f05a1
 <400> 10501

ctctggaatg ttcatttcca agaacaagga tcctattggt gctgggtattg aggacaagat 60
 ttcgtcatgg acctttcttc caaaagaaaa tggcgaagat atacaagtat tgagatatga 120
 gcatggccag aaatatgacc cgcattatga ttacttcact gataaagtta acattgctcg 180
 ggggtggacat cgcacgcga ctgttctcat gtatctcact gatgtagcca aaggcgggtga 240
 aactgtcttc ccttctgcag aggaacctcc acgtcgcaga ggtgctgaaa caagcagtga 300
 tctttctgaa tgtgccaaga aaggaatagc agtgaaacca cgtagagggg acgcacttct 360
 tttcttcagt cttcacacaa atgctacccc agacactagc agtctccatg ctggatgcc 420
 tgttatcgaa agtgagaaat ggtccgcaac aaagtggatt catgtagact cgtttgataa 480
 gactgtggga gctggaggtg attgttctga taatcatgta agctgtgaga gatgggcttc 540
 acttgagaa tgcactaaaa atcctgagta tatggatgga tccttagaca ttcccgggta 600
 ttggtaggg 609

<210> 10502
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115f06a1

<400> 10502

ctcatctgct tcccctagca accttcttct tacttctctc cgcttcttat ctccagattg 60
ctggggcgga agcacaaccg ttgactagtc tcaagcttaa ctctcatatt cttcaggagt 120
ctactgctaa agagattaat gaaaatcccg aggcaggatg ggaggctgct ataaatcctc 180
gtttctccaa ttatacagtt gaacaattta aggccttctc tggagtcaaa ccaatgccta 240
agaaggaact tagaagtaca cctgctatat ctacccaaa gacgttgaaa ttgccaaaga 300
atcttgatgc gaggacagct tggcgcagc gtagcactat tggagaatt ctagatcagg 360
gtcactgtgg ttcttggtgg gcatttggtg ctgttgaatc attgtcagat cgcttttgca 420
ttcattttga tgttaatatc tctctctctg gtaatgacct tcttgcatgc t 471

<210> 10503

<211> 555

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115f07a1

<400> 10503

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atcatcattc agaacaatta gtgcacatc ctcttcaac tgaagaactt tatttaattt 180
gctcctaaaa tattttgtca gaggatgtgg tgcagtaatc ctttgccatt ccttctttat 240
ttttaagctt acagcatctg caatcatctc ttattattac ttcaaagtgg cgatcacact 300
atcattcatt cagctgatct tgaagatttt gtggcaggca taaaacctgc aatgagatgg 360
ctttcttccc agcaaatttc atgctccaaa cccctacca tgatgatcac catcatcatc 420
aacctccacc ttctctcacc tcaattctac caacgtgtgc acctcaagaa tatcatgggg 480
gagtgaccat tctaggaaag agatccatgt cattttctac agggattgag catggagaag 540
agggccataa tgctg 555

<210> 10504

<211> 420

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220115f08a1

<400> 10504

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 ttcaaggggt gaaccttgag gtgccaatta ttgattttag tgaccagat gaagggaaag 180
 tgggtgcatga gatcttggag gcaagtaggg actggggcat gttccaaatt gtgaaccatg 240
 acatacctag tgatgttata agaaagttgc aaagtgttgg gaaaatgttc tttgagttgc 300
 cacaagagga aaaagagttg attgctaagc ctgctgggtc tgattctatt gaagggatg 360
 gcacaaagct tcagaaagag gtgaatggca agaaaggggt ggtggatcat ttgttcaca 420

<210> 10505

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220115f08d1

<400> 10505

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 taaattaaat aacaaaacag agaaaccaac attagtcaca gatcttattt aatctacttc 180
 ccacaagtca cactttcatt ccataaatta aataacaaaa cagagaaacc atgagctata 240
 attatctcgt agtgcccact tcattcattg agggatctta ttgagcttac aataagcata 300
 atccttgat tcttgggtt tgtattttgg tggattggct tggtaacca actttgggtg 360
 aggaccaact tcttgttctt ttttgggttc tatgaacacg ggccacgaca ttcttgtctc 420
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<210> 10506

<211> 534

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220115f09a1

<400> 10506

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acagcaactc cccagttgct tctctagaca aagctgatgg ccttccttct tggatgaacc 180
atgaggaccg aagggatttg aaggctatgg ataacaaacc tgcacctaata gtcaccgtgg 240
ctaaagatgg cagcggagac ttcaaaacca tctctgaatg tttaaagtct gtccctcaaa 300
atcttggaagg acgttatgtg atctttgtta aagaaggagt atacgatgag actgtgacca 360
taacaaagaa aatgcaaaat ataaccatgt atgggtgatg atcccaaaag agcatcatca 420
ctggcaacaa aaactttagg gacggtgtca ggactttcct aactgcaagt tttgtggtag 480
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<210> 10507
<211> 618
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220115f10a1
<400> 10507

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cgctggtgtc gaccctaata tcccactcga gcgccaagaa gaagcgaac aacttctcac 120
gcgctgtctc aatcttgga tctctgctct aaattctaat cttcccgcca tagatgtcgt 180
cgaacttggtg gtgagggaat tggaaacgga tccgctgttc aattcggggc gtggatctgc 240
cctgacagaa aaaggaacgg tggagatgga ggctagcatc atggatggtc caaacgcacg 300
atgcggcgcc gtttcgggtc ttaccaccgt taagaacccg atctcgcttg ctcgtttggt 360
tatggacaaa tccccgcatt cctacctcgc cttctccggc gccgaagaat ttgctaggca 420
acaggggtgtg gaggggttg gacaacgagt actttatcac acctgacaac gttggcatgc 480
tcaagctggc aaaggaagca aacacaatcc tgtttgatta ccgaatcaa catcgngta 540
cgagacgtgc ggatccggtg tgagagtcac tgcaatgaat gactcccaat agcgtgtacg 600
cgccccgaaa cccccccc 618

<210> 10508

06313

<400> 10508

<210>	10509
<211>	433
<212>	DNA
<213>	Glycine max

<400>	10509
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4815

<210> 10510
 <211> 555
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115f11d1

<400> 10510

acagaataaa gaaatcatgc ttggtaatgt tcacaaattc aaaggaatct gatccaaatt 60
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 cataaaaaata caacagcaag cattaattac tcagaaataa gattcaacct aactacttgc 180
 tcaatttctt ttcaagctca tcaaattccc aatcaccaat ttcttcagtt gaataatcct 240
 gactaacctt cccaaactca gattccagtt tagctaattc agcttcatga tccaatatct 300
 ggtctgtctt aactgaaggt gattttggca gctcatccgt ttctggcttt gaaagctcgg 360
 caccttgagt tggagcagaa actgaaggag tagcatcaga ctttttctaa aaggtggtgt 420
 ttcagccttt gcaggggtct ctatttcaag aattgggtctc tctatagact caattgagtt 480
 cgtaactttt caatggctta aacagctctt taactctctc ttcattcttc ctggaaattc 540
 tcccctgttg agcat 555

<210> 10511
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115f12d1

<400> 10511

gggttattat agatgatgga tagactatta tacattagtt agatagattc taaatacctc 60
 caattttgaa atatagtcgc cagtgaagcg aggcacaaat gtcattgtcc cctacttcag 120
 cactggtggg ttaaaggggt ctttgaaatt ggccttctca ctgagatctt ggaattcatc 180
 cacaagattt tgaagccttg caacaaactc tattaaaagg gaagcaaattg ttgcaaaga 240
 cagagagctt gcactttcat atactttgga atcttgctca agtaacatgt tatctccata 300
 aaatgagaga cgtggccatg atattttgtt ggacaacaag ctttgagaaa tgtgcaattc 360
 aggaactgaa ggctctatgt ttatgttaag tcttgaatca actcctgttt cactgagggg 420
 agagatcaat gagtgtttgt gttcatga 448

<210> 10512
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115g01a1

<400> 10512

attaagatat atattcagct tcttgtcttt tccgttacct ttttccctg aaatcactga 60
 tccacaacaa gaggcattca gagagcattt gttgatttgg atttggaagg ttccactttg 120
 gttatggaag caacttagct cccttcctct ctctttattt tccacattgt acaaatgaat 180
 tttcagggtg cttgttggtg gtggtggttg acaaagatat tgaagatggg aattttgagc 240
 actatagcaa gcttttttgg atttggaatg ggaacttcaa ttgggctagt cattggatac 300
 tatttgttca tatacttcca gtcaacagat gttaaggatc cagtaattca acctttgatt 360
 gagcaagatg ctaaaacatt acaactgttg cttccagaga taccacttg gattaaaaac 420
 ccagactatg atcgtcttga ctggcttaat aaatntatcg agtatatgtg gccttatctg 480
 gacagggcat ttgcangact gcaagagtat agcaaagccc attattgctg agcanattcc 540
 gaag 544

<210> 10513
 <211> 557
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115g02a1

<400> 10513

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 aatattataa gggtgaagag ttgttatggg aaataacttaa cagcctcaaa tatgccattc 120
 atattgagag gtacaggaaa aaaagtgttg caaacattgc ctactagggt aaattcttcg 180
 gtggaatggg aacctattag agaaggggtt caagtgaggc taaggacacg ttatggtaa 240
 tatttgcgtg gtaatggagg gttgccacct tggaggaaca ccattaccca tgatgtccca 300
 catagaacag caacagctaa ttggatttat gggatgtgga tattgtaaaa ttttcgccca 360

tcgcgagcga gcctgacaca agcaaacgga aacaatatca acaaggtgaa gtggattcct 120
 tactacacat ggagatccag gacacattct acatatgtca tggatcacca actttgctca 180
 tagatgaatg cattcatgcc aggaagatcc ttcagtcatg gaagagggac gtgtttcctg 240
 agagaccctc ttcaacttgt gtcattctctg gccattggaa aaccgcagct cccacgggtca 300
 acgtctgtga ctgcattaac gacagcatct acga 334

<210> 10516
 <211> 466
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115g05a1

<400> 10516

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 tttggtagca tggcaatgcc atgcgtacga tatgttcctt ctccgaatga aactgggcta 120
 tgggtgcccgt actccggagg tgaaatgcgc aagttggagg cttgctgtgg aagcacacaa 180
 catctttggc tttgagacca ttctgaaga gtgcgttgaa gcaacaaagg aatacatcca 240
 tggcgaacaa tatagatcag actccaaaac agttaaccaa caagcttact tttatgccag 300
 agacctcgaa gtccatccca aggacacatt tgtgttcagt atagatggca ccgtactctc 360
 taatattcca tactacaaaa aacatggata tggggtggag aaatttaact cgaccttgta 420
 tgatgaaatg ggttaacaag ggggcatgca ccgcactgcc cgagac 466

<210> 10517
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115g06a1

<400> 10517

cgaaagggtc atagggtact gttgtgttta gggattcgaa ttttgattat cgaatcgcaa 60
 aattctgaat caatcaatca gtaattagag ccattaacga ctgcaatggt ctgcgagaag 120
 tgtgagaaga aattatcgaa ggtgatagta ccagacaaat ggaaagaagg ggccagcaat 180
 actaccgagg gtggtggccg caagatcaac gagaacaagc ttctctccaa gaaaaacaga 240

tggacccctt acggaacac taagtgcacc atttgcaagc agcaagtgca ccagaatgct 300
 aagtactgcc acacctgtgc ttactctaaa ggagtttgtg caatgtgtgg aaagcaagtt 360
 cttgatacca agttttacaa acaaagcaat gtgtagtgga tacttgtgtt gtattgctgtg 420
 ctgtatcttc ttttagatgc ataatagcat tacctttctt tctatttgtc tagntgatcc 480
 tattgctaaa caatgtactg aagctg 506

<210> 10518
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115g07a1

<400> 10518

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 cggttcgcag cgganaatcg cgatcgcggt cgatctgagc gacgaaagcg cctacgcggt 180
 gcgctggggc gtgcagaact acctgcgacc gggcgacgcc gtgacccctc tgcacgtgcg 240
 tcccacgagc gttctctacg gcgcggaact gggctccgtg gatctgagcg cggcggagga 300
 cgccgatgac ggcggaggag gcgacgagga gtcgcgcgcg aagctggagg acgacttcga 360
 caacttcacg tcgacgaaag cgagcgacct ggctcatccg ctggtggagg cgcagatacc 420
 gttcaagatc catattgtga aggaccacga catgaaggan aggctgtgct tggaggtgga 480
 gcggctcggg ctcagcgccg t 501

<210> 10519
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115g08a1

<400> 10519

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 tatagggata agagagcagc aagtaatgat ggatgcgctg ataaaggtgc agttcaacgc 120

accaaaaacca taaaaagcgc ttctttcgtc ttatggcatg tctgaggagg aagaagcact 180
 gcgtcaaagg ccaacatcgt tgatttcttt cccaccccat gacaattctt cgcttcttct 240
 gccccttctt tatactcttc ttcactccaa tagcttctgt gcaagcgttc accggaacct 300
 atggtataaa ttatggtagg attgcaaata atattccttc acccgatgaa gttgttactc 360
 ttctcagagc agcananata agaattgttag aatctacgat gctgatcaca gtgttctcaa 420
 ggcatttagt gggactgggc tttgaangta gtgggggctt ccaatgccag ctgcaagaca 480
 tgagttcgaa tccagaccat gc 502

<210> 10520
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220115g08d1
 <400> 10520

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 tacacatttg ctgaaacatc aacatttcta gatattgctt tatgaaatat gacaatcaat 120
 ggtataattt gatctatagt gagacatgaa gtggagccaa gtcaaactca tttcattgcc 180
 aggaactggg ttgccgagca ggctgatatc ataaggatca ctaactccag aaaatcagcg 240
 gtgtcaaaga agataaaaag aataccatca tgtatgactg ggacaaccct tgagtattga 300
 tattcttaag agacaaaaga gatgaatgtc cagcattaag tccgtgaaag ccaatgtcat 360
 atgatatact cccatcagcc ttgaacagtc catagttctt ctcagatgaa tgcccaagct 420
 tctcgttctc gttgaataat gcaaaaatgt atgccttcac aacattttta ggtctatg 478

<210> 10521
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115g09a1
 <400> 10521

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taggatgtgt aattgagaca gaagaagaag aagaagaaga agaagaagac gaagaagaag 120
aagaaatttg aggggggtgtg tgatcgggtc ctcaggtgaa gatctgaggc tgttggtgtc 180
tcttttcttt tctccgagtt ccaaagatga gcgcttctag gttcatcaag tgcgtcactg 240
ttgggggatgg tgctgtgggc aaaacctgct tgcttatttc ctacaccagc aacactttcc 300
ccaccgatta tgtgccgact gtctttgaca atttcagtgc aaatgtgggt gtcaatggga 360
gcattgtgaa tctgggtttg tgggatactg ctggtaatgc tgcgtgatta ttgtctctgt 420
gatgttggag cttggaagtt ntctctggat ttattgggggt atttgtggga caggacaaga 480
ggattancac agatttagac ctttgagtta 510

<210> 10522
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220115g09d1

<400> 10522

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ggctttcttac ccacccccaa cgcaaccatc ccataaaaaa aggggctctc cacatatttc 120
caatcccaaa aaaaaacccc cctaaatata tcaaaatccc aactgttccc cctctttcct 180
ctcgacaaaa ctttcttact tattctctac acccaccacc acattcccca ccttttttat 240
gccccccccc ttcaacaaaa 260

<210> 10523
<211> 319
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220115g10a1

<400> 10523

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cagctgccaa gaaggaaact gcagaggagg gtgctgctgc tgttgctgtg gaagaagcca 120
aaaagagtaa tcatctgcag agaaaattgg agaagcgcca gaaagatcgt aagcttgatg 180
ctcacattga ggagcagttt ggtgggtgggc gtttgcttgc ttgcatttcc tctcggcctg 240

gtcaatgtgg cagagctgac ggctacattt tggaaggtag gagttggagt ttacatgaa 300
aaactccaga aaaagaagg 319

<210> 10524
<211> 546
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220115g10d1

<400> 10524

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tcaaaacaaa attaagatgt caatttgcaa aggactaaca agatagtttg cactaaaaga 120
tgtcatgtgg cacaaaacat caccttaaatt tgtaccaaca acatataaaa gcaactaaag 180
ccatataaaa atctgggaaa cactaaaatc aagcagcacc ctttcccttc tttttctgga 240
gttttttcat gtaaaactcc aactccttac cttccaaaat gtagccgtca gctctgccac 300
attgaccagg ccgagaggaa atgcaagcaa gcaaagccc accaccaaac tgctcctcaa 360
tgtgagcatc aagcttacga tctttctggc gcttctccaa ttttctctgc agatgattac 420
tctttttggc ttcttccaca gcaacagcag cagcaccctc ctctgcagtt tccttcttgg 480
cagctgtctt cttcttccta ccaatctcaa caccatagtg ctgaaggtac cactgtttga 540
atggag 546

<210> 10525
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220115g11a1

<400> 10525

ggagaagaga gaaagcaagc tgaatggagg tgttgcagtt gctggcttcc gattttaccc 60
tccgccattc cttttccaag ccacacgtct cccttccctc cactcactca ctctccgtcg 120
tcgtgttccg gcggcggaga tcaccctgcg gcgggcggtg gtgggctccg cgagcatgcg 180
cgggtggaggt gtcggagtcg gagggaggga agatggtgat ggagctggtg ggagccttca 240
cgagttga 248

<210> 10526
 <211> 441
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115g11d1

<400> 10526

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 ggaaattaca tcacttacgc gtggctctag cttaatgata atatacacaag tggagtaaat 120
 tgaggggggtt ttgttctgtc attcgtttca aatggatgaa gcactagctc gcaagcctgt 180
 tgccgaactc cttactataa acttgaatta aaccactctc atttgccata tgaagcttct 240
 catccaataa tttcttgtat tgatcatctc ggacctctaa attacgcacc aactcaacct 300
 gttcttggaa catatggaat tcgtcagaac tgagggagcc atcactattt gagtcaagga 360
 gctgcatcat ttctcgggca ttttctctctg gtgcaccaag ctctccatc acttttgtaa 420
 gttctcaat gctaatttta c 441

<210> 10527
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115g12d1

<400> 10527

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 aactcttccg ttcaccccg gggggggggg ggggggaaca aaatggcaca aaaaccacgg 120
 gggggaaaaa aaggggaaca aacgagaccc cggggcaaaa aaaaaagagg gggcccaatg 180
 aaaaaaaagg gggggcgctt ttattgcccc cccccgggg ggggggggcc cccaccttt 240
 ttaaaaaaaa aaaaaaaac aaccgaatc ggggggcaaa aaaaaaaaaa aaaagtccca 300
 aaaaaaaag gggccccag gagagggggg taaaaatgga gggaaccaca accccgggaa 360
 aaaaagaaag gggggtgtta atggcccccc ccccaaaa 398

<210> 10528
 <211> 492
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220115h01a1

<400> 10528

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atgttggacg tgaaggagaa ggcattcattg gtgcgattgc catatctgac actgtgcgtg  180
aagatgctga atctactata acaaggctca agcagaaggg gattaaaaca gtcctcttgt  240
caggagacag ggaagaggca gttgcaactg tagcagatac agttggaatt gaaaatgatt  300
ttgtcaaagc atctttgtct ccacaacaga aatctggatt tatttcctct ctgaaagctg  360
ctggacatca tgttgcaatg gtaggtgatg ggataaatga tgcaccctct tggctgtggc  420
tgatgctggg attgctctgc agaatgaagc tcangagaat gctgcctcgg atgcagcatc  480
tatcatactt ct                                     492

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<210> 10529

<211> 389

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115h02a1

<400> 10529

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tgcttgagct gtgcaaaatt gatTTTTTgt acagaacgtt tacttgaagc tgcattcaatt  180
gaggagggat tcttcatctt tggattcgct tttggtgcct cggagtcaga gctgcaagga  240
aagtggagat gctgggatga aagctgaatt ttgtgggaaa tggctacttt agttgaaccc  300
cccaacagaa ttaagcctaa ggggaagcat tattatacaa tatggcaaac attgtttgag  360
attgatccga agtacgttcc aatcaagcc                                     389

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<210> 10530

<211> 366

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115h03a1

<400> 10530

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 agctccaatt gaaactccct caggaccaac aaagctttaa tcccacaata cgacgcggtg 120
 attacaaaca ttaaggaaga actccggccc aagcctggac catccacatc aaacctcgcc 180
 gaggacgcag aggagcacga caaaaacccc gacgacaccg acaagggcaa gcggaagca 240
 gaacaaactg tatccccggc cgcgcccggt gcaaccaa at gggccgagga cagctggaag 300
 accaaaaaag cgctgcagcg gaccgaagac cccaaccagg aggagctaga ggtcgggtctc 360
 cgacc 366

<210> 10531

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115h04a1

<400> 10531

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 ccaacatcag gccacggctc cgccccaagc ctggcccatc cccttcctc ctcgcccggc 180
 acgccgcca gcccgccaaa aaccccgtag ttaccctaca agcccaagcc cgcagccc 238

<210> 10532

<211> 490

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220115h05a1

<400> 10532

ccgaaagcga agaagaggaa gaggaagctg aggaacaaca agaggagcgg ccaccagaaa 60
 ccctagaaga gcaacaggat ccagaaaccc tggcggtgc aaaccacgcc gaagtgaacg 120
 gcggcaatga aggaaacaac gaagaagagg aagaggagga tctcactctc gaagaagagc 180
 ccgtggagaa gcttctggaa ccgttcacaa aggagcagct ccactctctc gtcacgcagg 240

ccgtggatat gtttcccgaa ttcgtcgata gcgtgcgccg gcttgctgac gtggaccctg 300
 cgcacaggaa aatcttcgtc catggccttg gctgggacgc cactgccgat actctaaccg 360
 ccgtgttcgg gaaatacggc gagatcgagg attgcaaggc cgtcacccgac aaggctctccg 420
 ggaaatcaaa gggttacgcc tttatcctct tcaagcacag ggacgatgct cgcaaggcgc 480
 tgaaacaccc 490

<210> 10533
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115h06a1

<400> 10533

aacttgaggt gttgagtaac ggaaagtaca agagtgttct gcatagaagc ttggtgaata 60
 aggaacgaaa tcgcatgtca tgggcagtggt ttgttgccgc tccacatcag gcagtgatag 120
 ggcctcttcc ttctctcatc aatgatcaga acccacccaa gttttcaaca aaaacctatg 180
 ctgagtatcg ttatcgcaaa ttcaataagc tttcccaata agggaccaa acatcatcac 240
 ttgtgttgtc acggtgaaat aaatttgtaa gccatgatgg aggataacaa agtaggagct 300
 aactctccat tttggtaaac aagtgtagct aatttctatt atgcttttga agtaaacagg 360
 gctttgtccc cttggcattt ggtacatgcc atattcctta agaatacaat aaggctatat 420
 tcctgttcta cttcatt 437

<210> 10534
 <211> 450
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220115h07a1

<400> 10534

aaatctttgt tttgtaacaa caaacagatc tataatgtaa agggaaggga ggttcacatt 60
 cacattacaa gcaacaactt aacgcttaac aacagcactc tccctaattc ttctgtgtat 120
 gcaaaatgag accatgcaaa tgcaaatgca atgttctctc tgctctcatt cttcttgtca 180
 cattcctttt tattgcttct tccgtccact gtgaagaccc atatcggtag ctcacttgga 240

aggtcaccta tgggtgacatc tatectcttg gtgtcaagca acaagggatc ttaattaatg 300
 ggcagtttcc agggcctcaa atagatgctg ttacaaatga caacttgatt atcaatgtct 360
 ataactacct cagagaaccg ttcctcattt catggaatgg cttacagcat aggaggaact 420
 catggcagga tggagtgtat ggcacaaaact 450

<210> 10535
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220115h08a1
 <400> 10535

cattcaccaa acttcttcac tgggtgcaatt ctctgtttga tgagaactga ggttcatccg 60
 caatgccact tttaaggaga aaaccttttt ccttggccga gcctcctgag gatttgaagc 120
 cagatgagcc tgtttaccaa attcgattta caaaagaaat ctttcaagat tatcatgatt 180
 atttgaagcg attgaatcta taccgccaga gggtttggat gtgtaaagtc actggaaaaa 240
 ctggcttgac atatgaagag gctttggtgt ctgaacaact tgctaccgag aaagttcaac 300
 agtttcttaa agaattaatg actattgctt taaggattat tcaatacagg atgctccctt 360
 tgaaggatct tgctgattct attg 384

<210> 10536
 <211> 576
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220115h08d1
 <400> 10536

aaaacggcat tcaatttttg cagtttcaga tattattgat gaatggaata agtaatgtac 60
 aaaatttctg aaacaagcat acacgcatgc ttgtccatca tccaaaaatg gatcggaata 120
 ctgcttaatc tctattacag tcaaggcaat gaatcaaact aagctccttt aaaagttcca 180
 agttccattc gtttgaaggt aactttactg aatttccctt agcaccacct attcttcttt 240
 atgggacttg tttttatata tgaggcaagc atcggagggg ttctgccttg gttgagctct 300

aacacgagta gacctacgaa gaacagactc atctacaaac ctgtgcatca aatccttaga 360
 tgttttctgg agttctgagc atattgtact ataatatttt tctagctgct ttgcgagtag 420
 cctttcccgc tcacccttgc aattcagtga actcatcaat gcatcaagct cttccttact 480
 gctgtagtat cccacttct tggagtcaca gctttcaaca aatatcctcc cataaacgac 540
 agaaccacca ataatattgt natctctgtc cttacc 576

<210> 10537
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115h09a1

<400> 10537
 cttcagctct ccatgcagct gttaattttg gacaataccc ttatgggtgg tttatcctaa 60
 accgtccaac tcttagcagg agatggattc cagaagaagg aactccagaa tatgacgaga 120
 tgacaaagaa tcctcaaaag gcttatttga gaacaatcac gccaaagttt caggctcttg 180
 ttgatctttc agtgatagag atattgtcaa gacatgcttc tgatgaggtc taccttggac 240
 agagggacaa tccaaattgg acctctaate caaaggcaat agaagccttt aaaaagtttg 300
 gaaaaaagct agcagagatt gagacaaaaa tctcagaaag aaaccatgat ccaaacttta 360
 gaaatcgaac cgggccggct caattgccct aactgtgct tcttctacc agtggaacag 420
 ggttgactnt tagaggaatt cccacagcat ctctatctaa tgagtgtggc tcaatcgtat 480
 tgtactttta cttttgaata tctcatata 509

<210> 10538
 <211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115h09d1

<400> 10538
 gctaaagagc ttatttatta attagcattc tgaacatcac ccatgttact aaatcttacc 60
 ctaaatacaa tattactcaa acaaacacaa ttactaaaca tcaccctaaa ataaacat 118

<210> 10539
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220115h10a1

<400> 10539

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gcagagaatg catcgcttca tcgtcctcac cattctcctc tcctcaccc tcgcagatgg 60
aggttccatt ggagttaact acggtcgaat agcgaacaac cttccctccg cggttaaggt 120
cgttcacctc ctcaaatcgc aaggactgac acgtgtcaaa gtctacgaca ccgacccagc 180
agtgtccgg gcactatccg gatccggaat cagagtgacg gttgatcttc caaaccagca 240
actcttcgca gcagccaaag ctccctcctt tgcatectca tgggtcgaaa ggaacgtcgc 300
cgcatactac ccacacaccc aaatcgaagc cattgcggtc ggcaacgagg ttttcgtgga 360
cccacacaac accaccaagt tctcgtacc cgccatgaag aacatccaaa aagccctcac 420
caaacacaac ctcgacaaag acattaaggg tttcctcccc cattgcactt tccgcactag 480
canactctta cccttccttc gccgggtcgt tccgaccga acttgntgaa acccgtttca 540
agcccatgct agacttnctn cgcgaaaccg ggtc 574
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<210> 10540
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220115h10d1

<400> 10540

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gggaagaaaa agggacttct ctggggctat tggcttaaaa tatgacgaaa cctgaagaac 60
aactatgacc acttcaggaa tcataaagat aaagtctact gcaaagtaaa aaaaaaaaaa 120
aaaacttaaa tacaaattac tttagtcca accggtaaat taatttagct accccattcc 180
cagttcccac caactggaag aaaagtcaac atttattaac taacataatc cataacccca 240
aaaaatttta aaactaatat aaccaccaag aaggaattta tcttctcttc ctagtttcac 300
acttcagac accttataac atactttaca caaagcaaaa tcagccagac gcatattctc 360
atgcgggaat atctctgtcc tcttcagctt ttagtatcca gtaggaaact cgcaggtacc 420
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atactttggg tcttgcggga caacgtacga cgtacccccg aaataggagt taccaccctt 480

<210> 10541
<211> 452
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220115h11d1

<400> 10541

aagaaaaaaa gtacctttct tattaagat gttttaatac agactaaacc caaaaaactg 60
gctaataatg atagcaaata cgagggtat tgcaataagg gaggaaccc aagtgagttt 120
ctcagttatc ctaggtactc tctcttcag tgcttggtc cacgaaccta taaacacggt 180
ataacttccc attgcaatta cagttccaat taagaacatg atgagaaacg cagcaccagc 240
caaacgcgaa ggcaaagcaa gggcaggcaa aaccatcatc aatgcatctg gttgcaggcc 300
atgaactatc cctgttgcaa aagtagcaaa acctatcttc tttttgcca ctgttgatt 360
atcaagcgat tcatacacgt tgacatcaca ttcaccactt tctaaagcaa caattggggc 420
atgtacttct gatgcttctc taattcccat ag 452

<210> 10542
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220115h12d1

<400> 10542

gaaaataagg atgtttgtat tactaatgaa agaataagtc gttgattgaa gcaataacgg 60
aagacgcgtt tgtgtggcta tatgtcaatg gatagaataa aaatgttttag tgaacaaaaa 120
gaaaaagaaa gatgagaatt tgatatcaag cctgttacaa gaattaatca tcccagagct 180
gatcttgtca tctcatatgc caagaagcat gctgcatttg caggaacact acgggccatt 240
gcaggaccaa aacccttata caagcctttg aatccttctg tagctcgaat ctttctgaat 300
gcatcaaatg aaccagaaaa tttcgggttt ctgtgatcat ctacttgaat cacactctta 360
ataacatcag ttgggtaaac caagaaccag aaggaagctc cagccaagcc tccagcaaca 420
atcagagaac ctctacttag gccagaagta tcagtacctc ctgcaaactt ttgctttaat 480

gcttcatata caccaaacat tatagcattt ccaggatatct cacgtcccat agtgggaacc 540
aagcccttga aa 552

<210> 10543
<211> 344
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a02a1

<400> 10543

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cttatcacat cacaatttgt gcattgcctc gtgtcctttt tcttctttgc ttgccaaaaa 120
tcttacacac acaggatatct agcaaattggg ttctcaccag caagaaccat ggctattgga 180
gaatgggaaa ccgaggggtgt tgaccaagga gaataggcat ggccgttctg cacacagcat 240
gtcctccacg tctttgcgca agaagtctag ccgaactctt gtctccaagc ttccatgtgc 300
cacactcaga aacatccttt taaatttgca agaggttatt cttg 344

<210> 10544
<211> 340
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a02d1

<400> 10544

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caaactgaaa aagggatttc ttactaaagc aaacttaaac aagaacaact tccactcatt 120
tggtcatgtac cgtagtaaaa caggatcaaa agccattttt tgatagaaca cacgtatgta 180
ttatattgaa cattttgcac agtggttcat ttctcacagc tattgcaact taaaatactt 240
gcaaagcttc tgcaaattcc aaactttctt ttactccctt ctttatggat cttacaaagt 300
gatcagatca tgaaaccatg atcaatccat tgaatttgaa 340

<210> 10545
<211> 386
<212> DNA
<213> Glycine max

[illegible]

gtggggattc	tcgctatcga	catctacttc	cctcccacct	gtattcagca	ggaattgctg	60
gaggctcatg	atgggtgccag	taaagggaaa	tatactattg	gacttggtca	agattgcatg	120
gcgtttttgta	cagaagtaga	agatgtcatc	tcgatgagtt	tgacagtagt	ttcttccctt	180
cttgaaaagt	atgcgattga	tcctaaacaa	attggtcgtc	tggaagtagg	cagtgagact	240
gtgattgaca	aaagcaaatc	catcaaaact	ttcatcatgc	aaatctttga	gaaatatgga	300
aataccgata	ttgaggggcg	ttgattcaac	taatgcatgc	tatggaggaa	ctgctgcttt	360
gttcaattgt	gtcattgggt	ggagag				386

<211> 342

<213> Glycine max

<400>	10546
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ggtaacggga	aactgggacc	cccttcgtta	acaaaatacc	gggtcctcaa	acttataacg	60
tccaatcctt	cacaggggta	tacattttca	agagcttaat	tgcttgaaac	aattcttggg	120
ggaactattt	caacctgaag	agtttcggga	aatttttgaa	ctaacaaccc	ctggctccta	180
cggatttcat	aattgttcgt	ttggcttccc	ttaagaagaa	actaatccaa	acgagaacaa	240
ggttttaaat	gctaagccca	gttgaatttc	aggtttccag	gtattacacg	ttttgtaagt	300
caaacgtctg	tgaccattgg	tgacctggcc	attttcgctg	gg		342

<211> 426

<212> DNA

<213> Glycine max

<400> 10547

ccaggcggcg ccgtcagaat cgcttcgggc gtcgagtttg ggcgaaattgc ccgagagttg 60
tgtcgctcag atcatgacct acatggatcc gccccagatt tgcaagctcg caaccctcaa 120

tcgcgcctttt cgcggcgctt cctccgccga tttcgtctgg gagtccaagc tgccgcccac 180
 ttacgacgtc cttctccgcc gcatcttcgc cgatttcccc tcccatttgg gcaagagagg 240
 gatttacgcc aggctttgca ggctcaattc tctcgacgac ggcaccaaga aagtttggct 300
 ggatcgaggc atgggtaaac tgtgtttggt gcgtttcggc caagggactc tccataacag 360
 ggattgatga taggagaaac tggaaccata tccccactga cgaatctaga tcagcagtgt 420
 tgcata 426

<210> 10548
 <211> 377
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125a04d1

<400> 10548

cttcaaatat gatccacgtt tccttgatcat caaatgggtc ttatgggtcc atctgccaca 60
 agcatataat atacttcacc atacaagggt atgatagaat gtcacagtcc tccagactaa 120
 tgaaacacat attcatacat cgactgcttg cttctacaaa attctaaacc ttaaagaacc 180
 atattaaaaa ctcgattctc tattcctcct gatgcggcct acgctctata catataaata 240
 ctagtataca ttcatatgtc attcttagca aagggttaaca gtagtttaaa aatgctttaa 300
 cctttctgaa ttcacttgga tatatcagca cagaatctaa acagagacc ccttttagtat 360
 gtgtgcaaac aatttga 377

<210> 10549
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125a05a1

<400> 10549

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 tgactacaaa ggaaagggtc ttatcattgt caatgttgcc tcacaatgtg gcttgactaa 120
 ttcaaattac actgagctca gtcagttgta tgagaaatac aaacagaaag gtctggaaat 180
 tctggcgctt ccatgcaatc agtttggggc acaggagcct ggatctaata aacagataca 240

agagtttgtt tgtactcgt tcaaggctga gtttcccgtt ttgacaagg ttgatgtgaa 300
 tgggtgacaag gctgctccac tgtacaaata tctaaaatca agcaaagggtg gactccttgn 360
 ggatggcatc aaatggaact tcgccaaagt ccttggtgat aaagagggga actgtgcctg 420
 atcgctatgc acccacaact 440

<210> 10550
 <211> 407
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125a05d1

<400> 10550

aaaggaacct taactttaca ttcccccaat tataaggccc caattttaag gctctgaact 60
 caaggtgaaa gctccaaaaa ccactgggtca gggccaaata agggccccag gaaaatgcc 120
 caccattggg agaacatttt ttattcaaag gttatttatg gggaactcca aacattcaaa 180
 acttaaggca tccaaaaact tcaacaaggc cttttaaatg ctcaaaggaa aagttggggg 240
 ggcataggga taaaaaaaat tccccttttt ataaacaagg aacttgggga aattccgttt 300
 gaagccctcc ccaagggggc cccctttggt ggaatttaga aatttgcccc ggggacacac 360
 cttgtgcctt ttcaaattaa ccttggtaaa aacgggaaac ccaccct 407

<210> 10551
 <211> 398
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125a06a1

<400> 10551

acagaacaga gcaacactga acaatggcgc aaccttctc ctctcgaag cctgttgtcc 60
 ctctcctgaa ggacgagctg gacatcgtga tcccgacaat ccgaaacctc gacttctctg 120
 agatgtggcg gcccttcttc gaaccttacc acctcatcat cgtgcaggac ggagacccca 180
 acaggaccat caatgtcccc gaaggcttcg attatgaact ctacaaccgc aacgacatca 240
 atcgcatcct cggacccaaa gcctcctgca tctcggttaa ggattcctgc gtgtcgctgc 300
 tttggttaca tgggtctcaa gaagaagtac atctacacca tcgatgacga ctgcttcggt 360

gtaaacgatc cttctggaaa ggatatcaat gcacttga

398

<210> 10552
<211> 330
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a06d1

<400> 10552

aaaaaaaccc cccccgggg ccgggtaaaa tttctaaaat ccccatcccc ctgtggaaaa 60
aaaatttccc gaaaaccctt tttttgcaaa aggytttcat ataaaaggga atcagggtcg 120
ccccaagctc caaaaatggg ccctaaaacc ggccctttta aaaaaattgg ggaccaata 180
gggtaatcag ctaaaaccgc ccaggagaa accgccccaa tggaaaacc aaagcccca 240
cccaaaagg gacccttggc atcaacggcc ccctggggtg ggcttaagg acccctttca 300
aagggggtgc agcaaaagcc cccccaagct 330

<210> 10553
<211> 357
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a07a1

<400> 10553

cgaaggccag cattgttgat gggcggtgg aagctatgct cgcagcacat tattcccttt 60
cctctctctg tcaaatattc ctttcttct tcacgaaatt aaaaagcctg aaaactgacc 120
agatcctttt caaacactct tagtcctacg tcgtaccaa cacaactga aacaataacc 180
aacgacaaca acgaaatctg caatggcca cttaatcata caaccggaat cctcctccga 240
ttcgttcttc cccggtgggt ctcttccttc accctcacac gcttcttca tccttcgctt 300
ccttcattcc ttcagaccat gtaacagtat catgtttttt ttggaggccc aaacaag 357

<210> 10554
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125a08a1

<400> 10554

caataacaac accatcaaca accccttcaa gccggcctaa accccattat ccaaaacttt 60
 ttcttttttc ttctcttcaa cactctctat tggatcatca catattcaat ttcattctct 120
 tcaaaaattc cccttcaaaa aaattttacaa ttaaaaaaaa gtgctctttt tgccaatttt 180
 gagccatttg ccaccgacag atttcgatct tctccgtgcc aaagctgtaa tcttttcgaa 240
 ttttggcgag gtgggtcgat ctgatttcgc tcgaataatt gcgggttcga ttttgatctg 300
 aaaaaggaaa agagaaaaaa agattgggtt atttctgatt caagattttg tccttttttg 360
 aaatggtcta tttccatagc tcaatctctc tctgcacgtt cggatgatcca tcattctttca 420
 tggcgaattc aatttgttct gcggatttcg gttcgaaatc gagacagatc aatcaccttt 480
 cagagaatcg gagaaccctt agttcatcat catcatcatc atcatca 527

<210> 10555
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125a08d1

<400> 10555

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 ggcccatagt tccttacaac ttattgccaa ggggcttatt caaagacatt ctaatttcct 120
 actagatcaa tgaacatagg acaagaagta caaattttct atttgatcca attaccatcc 180
 ctttccttaa ttccatccaa taactcaaaa ggggtgtctc tcctgtgtcc tactcggctc 240
 gaacaggatt gctgctactt cttgttgatc tttcgaagat gcttccttgg tcctggaacc 300
 tctaacctac caacagaaca tccacacctc gcccgagca cgagcacagc cttccattt 360
 ggtggtgcc tcttcttgag ctcagcctcc agctccctat ggggatcacg aggcaattca 420
 aagagaccct tcttcgttcc accaccacca tctatcgcta cattcgacga cgcagaagcc 480
 atattcttca cacaatgtc agtctgcaac tgaatgtcaa actc 524

<210> 10556
 <211> 361
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125a09a1

<400> 10556

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gaaaatgggc aaacacgtat tgaattcctt tcgtcccca gcggttttct tgttattctt   60
cattgtcttt tccgttggtt cctgtgatga agcttccaag accttcatct ttcgcgtgga  120
ttcccaatcc aagcccacca tcttccccac ccattatcac tggtagacct ccgagttcgc  180
ccaagaaacc agcatcctcc acgtatacga caccgttttc cacggcttct acgcggtgct  240
cacgcaccaa caagtgcggt ccataagcca gcaccctac gtcctcgccg tcttcgaaga  300
ccgtcggcgc cagctccaca ccacgcgctt cccgcagttc ctccgccttc gcaccagcgc  360
g                                                                           361

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<210> 10557

<211> 664

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125a09d1

<400> 10557

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aatctgcgga ttcggttcga gatttttttt caaatcaaac gtgggttaaaa tgaaataatg  120
acggctgaac atggatggta caaattactt ctataatctt atcgagctta gatagaccac  180
taacaagtct ataaacacac ggtgaagcta aattaaacc aagaagaaga aaaacttatt  240
aaaaaaagta catcaacgga ttacacctcc aaacttggtc acttaaaaa aaatctaaaa  300
acgaaaaggc aagactaaat acaaaatata tgtgtctcag ttgtctttta tactagccgt  360
ggcaacctac aggggtgcca ccacttacg tcacgagtca cgagccgcat ggatcaaac  420
gacatgaccg atgcctggct ctatataacg gatctatttg agtcaccaca gtggggctcc  480
gaaccacgtg cttcccatcc gtacacgtca gcgaccgaa caccgccccg gacggacca  540
tcttcagcat ccgggtgtgc cgcgccagcg gcaccacata gctccgcttc ttcaccggct  600
ccgagaacac gagcctagac ggcttcaccg tcacgctgac accactcgnc gggcgccttc  660
acgc                                                                           664

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<210> 10558
 <211> 553
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220125a10a1

<400> 10558

gcaattgcaa ccaaacagtg tctcatgata ctgtttgttc tgatgcccc a cgtcgaagc 60
 cctcctccgc cactcgccgc catcgtagct ctcccttctc acaccgtgga atcaaatac 120
 gatgtcgagc ccagattctc gatcattcag ttggcactac acggaactcg atgacagaga 180
 cctcgagatc cgaggtagga ctctgttttt tgtcatcgta ctcttctcca ttattctcct 240
 cgtcactgtt ctcttcatct acacgcgctg gggttgccgc taccagggac gcctnccac 300
 caccgcgttc accgccgcag ccgccacgc gccgccgctc gcgcagcctc agggaaatgga 360
 cccagcttcc atcaagaaat tgcccataat cctccaccac gcgccgtcgg accgcgagga 420
 aagcgcgtgg gacgaaacgg agtgctgcat ctgcctcggc gagttcagag acggcgagaa 480
 gtgaaggttt ctccggcgtg tgaccactat ttccactgtg attgtgttga caagtggctc 540
 actcatcact cta 553

<210> 10559
 <211> 531
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125a10d1

<400> 10559

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 tgccgacgcc ctttgagatt tttttttttt tttttttttt ttttaatcgt aatatggaac 120
 tccttccata ttgatatttt atagcaaaat atattaaaga agctgattgg gcagtaacct 180
 aggcaacgag caagcagctc cgtaacttaa gagcaccat tatctttttg ggggctcaat 240
 ctctaataaa aaaaatcttg attaaatcca atcattgaac ctaagaagca ggaccacata 300
 tccaatttgc agaccaaaca cagggatgac caaaagagc tacggctttg aggaccttta 360
 tccaacatgt ggcgttgagg aaaattatat gacctttccg aacccaagt cgtctatcat 420

tcaacggggg aaccttatat aatgtaacac tatcacgggc atactgcaca ttgtgtccct 480
actttgccat gtgctactgg ctaaaaatat tcttcacaac aacccaaaca c 531

<210> 10560
<211> 415
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125a11a1

<400> 10560

cacaggtggt tatttgaaga tgaagatgtc ggtactgatg gcgtggatgg ttcatatgaa 60
cacgctgtga ttggattatg gagtggcatt gcttggttgg ttggagtgaac tgtgttcatt 120
gctgtgttgt ctgaatatgt ggtggataca ctcgaggatg catcagattc ctggtgtttg 180
tctgcgagct tcctcagcat ctgcttgatg gcgactgttg gcaatgcctg ctggcatgca 240
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gttcagctac tcatactgtc atgtcgggtg tccattatg tgtcatcgct gcttgtataa 360
tggtatttca tatggacctg agcttcaacc tcttatagac aggttccttc gcttt 415

<210> 10561
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125a11d1

<400> 10561

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acaattaata caacagattc cgcaactga aaaagggtatt ctactaaag caaactcaaa 120
catgaacaac ttgcactcat tgggcatcta ccgtagtaac acaagatcaa aagcagcttc 180
tctgatagaa cacacgtacg tatgactcaa catggttcac agtagtggat catttgtaac 240
agctagctat tgcaacttaa aataattgca ctgcttctgc aaagagctaa ctttttttcc 300
cccccttgtt tatggatagc acaatgggat cagaatgaaa caataaccaa tccattgaat 360
gtgaatctga ttgcgggttt ggatcgatac caccattctt gatctcacga aaggacaaga 420
aatcgggcaa tgctactaa ttaagcgctt aaaact 456

<210> 10562
 <211> 495
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125a12a1

<400> 10562

cacagggagt tatttgaaga agaagatgac ggtaaagatg gcgaggatgg ttcagaagaa 60
 caagctgtga ttggattatg gagtggcatt gcttgggttg ttggaatgac tgtattcatt 120
 gctgtgttgt ctgaatatgt ggtggatata attgaggatg catcagattc atgggggttg 180
 tctgtgagct tcctaagcat aatcttgctg ccgatagttg gcaatgcagc tgaacatgca 240
 ggagcaatta tatttgcctt caagaacaag ctggacatct cattgggtgt tgcattaggt 300
 tcagcaactc agattgccat gtttgtggtc ccattatgtg taatcgttgc ttggataatg 360
 ggtatcaata tggacatgaa cttcaacctc ttagagacag gttcccttgc tttggcaata 420
 atagtacag gcttcacttt acaggatgga acttctcact acatgaaagg ccttgttctc 480
 ctgctgtgct acatt 495

<210> 10563
 <211> 396
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125a12d1

<400> 10563

ataaaattaa aatttataaa aagtttattt cccacgaggc ctagtacaat atatagtaac 60
 acagtatatt caagagattc tgctgactga aaaagggatg cttactaaag cacactcata 120
 caagaacaac ttgactcat ttggcatcta ccgtagtaac acaagatcaa aagcagcttc 180
 tctgatagaa cacacgtacg tttgattcaa catctttgac agtagctggc catttctaac 240
 agctagctat ggcaacttaa aactattgca atgcttctgc aaagtgctaa cttcactttc 300
 cctccttcgt tatggatatg acaatgtgag cataatgaaa caatcaccaa ttcagtgaat 360
 gagaatccga atttgggttt ggatcgatac caccat 396

<210> 10564
<211> 218
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b01a1

<400> 10564

cagagagagt gagagagaaa gagcttagct taggaatgga agcagagaag catgaagcag 60
cattggcagt ggccctcagtc tccctctctc tccccagagt tttgcccttc ttccaaccca 120
ccaccctca gccaaaccaag ctcaaagtcc caaccaggc ctcattcttc acacaccttt 180
ctctctccac tcctttcaaa accttcttta aatccacc 218

<210> 10565
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b01d1

<400> 10565

cgagaaaatt ttgtaaagct tccatattga aataatgtat ctgtcagtta caacagaact 60
tcagaagggg aaccaaattct tggtcatcca gcaccctact gccatgactg cgtagggaac 120
caaccatac cctgaaacaa acttccttat gccactaga acttctagtt taagcaaattg 180
caccagcaca tgcagtggct ggagcagctt ccagctgttt ctttgagta ctgtattttt 240
ttgttataaa cctaaagaag tccctccata gcaactcaaa catcaaccaa tttgttccag 300
ttctggacga gcattacca ccatcattcc ggttggacga agcagaaatg actctgccgg 360
cagtcttctt cagttcttca tacattgtgc caagggaaag gcatcccatt gccaaaccag 420
gagaaatctt gcaggagaag ttggcaccat atatactctg agttccatcc ttaaaccctt 480
tgtgtggctg agctgcacac tcagctgcaa attttttaag cttctgcagt gcctcagttc 540
ccccttctac 550

<210> 10566
<211> 71
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b02d1

<400> 10566

ctactcgctcg ggcgtccttt tttttttttt ttttatccac aattcaaata atctattttca 60
tataaaatgg g 71

<210> 10567

<211> 351

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125b03a1

<400> 10567

cacatcctct ctttcacagc actatatata tttatatata tatttgcggtt tttctgcggtt 60
tgcatagctg cattctgagc tccttcactc tggttggggtt tcgcttccat tctccgctat 120
ctattcgaga tgagcatgct tagtcctgaa ggtgaactga aaataagttt tggctatcaa 180
tgcaatagtg atagagctat atcttgtaat gaaatccaaa gaacaagcag tttctcttgg 240
ctgtctgggtg ctgccttaag tgcaaatgct acacttgcca acacaaacat ctgcaatggg 300
gtaataggag aagaaatcct tccaagtttg gactctccta aatcgtttcg t 351

<210> 10568

<211> 567

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125b03d1

<400> 10568

caacataaaa gctaaatttc attaatatat tatatacaag caaaacattt ctataattca 60
tgttccaaca aatagaaaaa atactgcaaa attttgaaat accaaaggaa ccaaggattc 120
taagttctat atgtcttatg tacactatga atatcaaaac ttcctaagaa ataccacttg 180
tccaagggtg ccattgaaaa gcttcagata ttgcaaattt tctttggcca gtctctagag 240
gcaaattgat gcttttgaag tccgttgatt catcccaagg atgatcacca ttacggtcac 300
atcatcatgg tacttctctc tactcccatc cggaacattc atcaactctt ccatgctgaa 360
gctgcagaa tcagctgctc ttgcaactag ttgctcaata agaaattttg ctggatcacc 420
aaaagggttt ctcaagatat aagactctac aagctgtact gttcatcat tgctgaagaa 480

gtcaaataag ccatcactcc caactataac aaatggatca gaatctgaga ttttgtgcac 540
attcaatgat ggatcagttg aaacata 567

<210> 10569
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b04a1

<400> 10569

tgcaaagtgt gagagaaaga caatgccgaa gtctcaattt cgaaccccat ttctggtttc 60
tcttccccctt ttgttattca tcttcaacct cacccttcg cacgcactct atggagcatc 120
ctcaccctgtg cttcaactca ctccctctaa cttcaagtcc aaggttctga attcaaattg 180
agttgttctt gttgaattct ttgtccatg gtgtggacac tgtcaggctc tgactcctat 240
atggggagaag gcagctactg tgttgaaggg tgttggtact gtggcagcaa ttgatgctga 300
tgctcatccg tctttggctc acgaatatgg aattagagga tttccaacta taaaagtgtt 360
tgcacctgga aagccacctg ttgattacca aggagcaaga gatgtcaaac caattgctga 420
atttgactt 430

<210> 10570
<211> 316
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b04d1

<400> 10570

acttattaaa acccaaagat ttattcaaaa gggcgaacaa aaagttcctt tgataactaag 60
gggcaccctt gttcacgaac gcttattgag agggaaaaga caatacccaa acgttctaac 120
atttcccgga aaattttcag aacggccccc ccgatggaca tatttttaaaa tccataagaa 180
aaaccgctga tcaactagacg ggttttttaa cttgtgacct ggaaaaacat gatcctgatc 240
accattatca ggataaacia gttggctgta acggaaaaac cggtggataa aactttgaac 300
ggggaaaaaa tcctta 316

<210> 10571
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b05a1

<400> 10571

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 ttctcttctc tcacaaattc gtcaatcaat ctcccaccga gttcccaaca tggctgaatc 120
 ggtggagctt ccgagtcgct tggcgattct cccctttcgg aacaaggctc tcttgcccgg 180
 cgccataatc agaatccgct gcacttcccc caccagtgtg aagttggtgg aacaagagct 240
 ttggcagcga gaagagaagg ggttgattgg catcctgccg atgcgtgatg ttgctgaaat 300
 taagccagtg ggtcccactg tatctgaagg agctgattca acaaatcaga actcaaaagt 360
 tcaaggcggc tcaattggatt ctcgtaagct tgatacaaaa aagcagaatg gatgttggtc 420
 attggcataa c 431

<210> 10572
 <211> 359
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b05d1

<400> 10572

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 gcctcacatc taacatgtca catgtctaata aaacccctac ttgcctcctc gaggggagat 120
 taatggatct ctgtaagccc aaatgttgca ggaataatac taactcctgc ggtgacaaca 180
 tatttcaaaa ctcggtctta ctgactaaag actcaaacat aacgaaaagg attgccatgc 240
 tggaagaagg aaccacattc aagagcgagg aagccctctc ttgtgacgat ctatgcataa 300
 tacatgatga acatggatat atgggggtgac aggggaaatc atttacaac gtgcgaccc 359

<210> 10573
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b06a1

<400> 10573

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 cacgaattac tgcgttcaca tgaacaaccc tacggaaacg tctcagagct acgctgacgg 120
 aacggttggtt ggaacgcaga gtatttccat ctacataga 159

<210> 10574

<211> 375

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125b06d1

<400> 10574

atatatataa tatactttta ttatttcogag ccgtgtttac taatgaaagg gactcaccct 60
 tgatatatca gcctataagg acgagcccat cgaaaacgat cttttcttaa actccaataa 120
 tgaaatcaat atggtagttg atattgggaa aactaaaaac gtcgtaatgt gcccgaata 180
 aatggccac accccatgag gaatccaacc aacacttaaa tgcaaacata cttgatcata 240
 ctttcaaaac tcccatgatt aatgacccaa tggagcgttc aattacacca ccgaaatgat 300
 gctcgcccaa aaacatccca gtggggggggg acccacccta gggcatccca tttgctagac 360
 ccttgaacct gctaa 375

<210> 10575

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125b07a1

<400> 10575

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 agagaaagag aaaaaagaaa aaaaaaaaca actaacatta agcttttaaat agtaagacat 120
 ggctcaaccc agttccaacg gggatctgaa taataaccag cagcaggggc aggttcagca 180
 acaacagcag cagggtcagt gggcggcggc ggcgagccg catcagtatc agcagcaatg 240
 gatggctatg cagtaccgg ccaccgncat ggccatgatg cagcaacaga tggtgatgta 300

cccgagcat tatatgccct atgctcacc tcattaccc

339

<210> 10576
<211> 426
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b07d1

<400> 10576

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aatatgtttt gagggtttaa aaaaaaaaaa aaaacaaaaa taccgaatc attttttatt 120
tgggcggtt caatccaaaa tttaaacaat tttaattcaa tcttaaaaac ctggcttacc 180
ttaaccagc ttcaaattta aaaataatac tacagttagt gggagagcaa taaaatccat 240
cctactttaa cacacagttc tgctaataag cccggttagg aagccccttg aattgcagca 300
tcaggttgca tggctatata ctgattctag gtcacagcaa atccctggcc accataaccc 360
tgatgaccac cataatggcc tccattggaa tcagatctcc aatgctaatt tcctggactg 420
cgaccc 426

<210> 10577
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125b08a1

<400> 10577

ggagctgtct gtgcaaattt gcgttggtct tcgcggcaca cctcactcac tgaacggtaa 60
gtatggcgga caaggctgtt acaatccgaa cccgaaagt catgaccaac aggttctttt 120
ccaggaagca gtttgcgtt gatgtccttc atccaggag ggcaaatgtt tccaaggctg 180
aacttaagga gaagctggct aggatgtatg aagtgaaga ccctaatact gtatttgtct 240
tcaaattccg aacacatttt ggaggtggca aatccactgg atttggtttg atttatgata 300
cagtggagaa tgccaagaag tatgagccca aatacaggct tatcaggaac ggccttgaca 360
ccaaggtaga aaagtcaagg aagcaaatga aggagagaaa gaatagagct aagagcattc 420
gtggaggtaa gagaccaagg ctttcgatgc t 451

<210> 10578
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b08d1

<400> 10578

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 cctgggccc aaacattcaa ttttaaaaat ctggcaaaaa aaaaaaaccc ttttaciaag 120
 ccccaaaccc aaggggcccct gggaattaaa ccggggggggc caaaaactta ttttttttcc 180
 ccagcctggg caaattcgga agcccggggc ttttttacc caciaatttt tttagcccta 240
 ttttttccc cctaaattgg cctcctggac ttttaccccc gggggaaaag gccctccctg 300
 aaaaaccgt tttggggccc aaaccttggg ggattctccc cgggttcaaa aatcaacca 360
 aatcccgggg atttgcccc cccaaaaa 388

<210> 10579
 <211> 559
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b09a1

<400> 10579

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 atcaagaatt tgactcccaa gctcgaatga gagaaacaag agttgtttta gaagcacatt 180
 gagggagcaa ctaaatacct gctctctaag attaaggatt tccagttttt tgttggggag 240
 agcatgaatg atgatgcttg cttgggtctt gcatactaca aggatggtgc tgctgatcca 300
 acattcttat actttgcata tgccttaaag gaggttaagt gctaagtgc ctaattgtacc 360
 aagttatcta ctctcatctt acctagtctt tttttttaag gtctgttcta agttacctaa 420
 aacttcgact tgggtatttg atttaattgg gagacaattt gtgcttcac ataatttcat 480
 caaattaatt atcgatgggt aggatctcat taattatgat ttgggttggt ctgaaaggct 540
 tccggtattt ttttttgag 559

<210> 10580
 <211> 573
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b09d1

<400> 10580

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tttttgtttt tttttttctt caaaaaaaga atcctggaag cccttccagc tcatccaaaa   60
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cacaaaatgt ctcaccatta aaatcaaaat aacaagtcga agttttaagt aacttaggac  180
agaacttaaa aaaaaaaact aggtaaaatg agagtagata actcgggtaca ttatgtcact  240
tagcacttaa cctcctttaa ggcatatgca tagtataaga atgttggatc atcaactcca  300
tccttgtagt atgcaaagac caagcaagca tcatcattca tgctctcccc aacaaaagac  360
tggaatcct taatcttaca gagcaggtat ttagttgctc cctcaatgtg ctttttaaac  420
aactcttgct tctctgcac aagcttggga gtcaaattct tgataaacct cttcatgaaa  480
gtaacaaact gtgtcttacc aatagcagca tgctcctgaa gtctgaatgt atcaacaatg  540
tcaacaacct taacagctgc gtcacgact ccc                                573

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<210> 10581
 <211> 522
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b10a1

<400> 10581

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gagcaatatg tctaggtcaa ggtgatggcg tagccaagga cagcactgag actgaactca  180
ccaaaatccg tctcctcagg gcaattgttg aaacccgtga tccctcttcc aaggaagagg  240
atgattttat gattagaaga ttcctgcgtg ctcgtgatct agatgtagag aaggcttccg  300
ccatgctcct caagtacttg aaatggagaa attcatttgt tccaaatggc tctgtatctg  360
tgtcagatgt tcctaacgaa cttgcacaag ataaggggtgt tcatgcaagg acacgacaag  420

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ataagtcgac ctatacttat ggtcttcggt gggagacatt ttca^aaacag gatggtcttg 480
 atgaattcag cgatctgtgg ttatgttctc gataagtatg tg 522

<210> 10582
 <211> 618
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b10d1

<400> 10582

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 tctgcggacg ccctttttgt tttttttttt atgaaaaaaa aatcgtactg atttactact 120
 gaatattgat agctgataca acagtgtaaa gtaatcgggt aaaaagaaaa cggcattgaa 180
 acacataaat aagaaataac aatatttatt tttaggcccg gctctcctta ttatgtcagc 240
 ggttacttaa ttaattagct atcttgaatt gggactaatg gcaagaagcc accgaatattc 300
 tctgggacct gactttcctt catctcttct agcagtgttg atttcacctt atttttctgc 360
 acaaatacta tctttctctt ggtttcgttg tcaatgaatg ggtaaacaat ttggcacact 420
 ttcataaaga tgtatggtgc gttcacaata aacaacttgc ccaatctatc tgggtagtaa 480
 tcttgcaaaa tggatagagc actatgatat ccacgcacgt cactgtttga gtattcccat 540
 cccttaagtt ctgctatacc gacaaactat tcttcccagg ttgcatactt gcacatactt 600
 tatcaagaac ttaaacaa 618

<210> 10583
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b11a1

<400> 10583

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 accaccttgg ctaaacaagt ctatgatgat ccaaaagtga agaagcgttt caggattcat 180
 gcttgatca atgtttctca gtcttttaaa ctatgatgagc tcttgaaaga cctgggtcaa 240

cagctccaca ctgtcatagg caaaccagct ccggaagcag ttggacaaat gaagagtgc 300
 cagctcaaag aggtgatcaa gaacctgctt cagcgaagcc ggtacctggt tgtgctggat 360
 gatgtgtggc aagtaaaggt atgggattct gtcaaacttg ctttgcctaa taacaaccgt 420
 ggcagtagag tgatgcttac cacacgcaag aaagatatag ctttgcattc ctgtgctgaa 480
 ttgggtaagg gattttgacc tcgaattctt acccgaggaa gaaagctggt atcttttctg 540
 caagaaa 547

<210> 10584
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125b11d1

<400> 10584

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 aaagaacaaa atactgcatt cacttgcata ctacatatg tagtatgtta aaagaaagaa 180
 aataaaagtt aaaccttcca gagcgtacaa atttcaagac ttctgattgc agtaccacca 240
 ctggaatcac tctctctctc tcctaattgc tctaattgagt agacatccca acccctatcc 300
 ctccaatagg agatataaac tgctggaact tgttgcactc tccaataatc ctcacctcca 360
 tttggacgca gtgctgtaat aaattcttca ggcatatcaa aaagctctat tgattctagt 420
 tttgttaggt gctcaatgcc taatggtacc tgcttaatga atcacatcgc tggatgatga 480
 gcttttaaga 490

<210> 10585
 <211> 541
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125b12a1

<400> 10585

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accaccttgg ctaaacaagt ctatgatgat ccaaagtga agaagcgttt caggattcat 180
 gcttggatca atgtttctca gtctttttaa ctagatgagc tcctgaaaga cctgggttcaa 240
 cagctccaca ctgtcatagg caaaccagct ccggaagcag ttggacaaat gaagagtgc 300
 cagctcaaag aggtgatcaa gaacctgctt cagcgaagcc ggtacctggt tgtgctggat 360
 gatgtgtggc aagtcaaggt atgggattct gtcaaacttg ctttgccata taacaaccgt 420
 ggcagtagag tgatgcttac cacacgcaag aaagatatag ctttgcatte ctgtgcttga 480
 ttgggtaagg gcatttgacc tcgaattctt acccgaggaa gaagctnggt atcttttctg 540
 c 541

<210> 10586
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125b12d1
 <400> 10586

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 gttccctgat ttatttggtt gaaacttgaa gaaatttgca gtcaagactc aggtaactgc 120
 aaagaacaaa atactgcatt cacttgcata ctcacatatg tagtatgtta aaagaaagaa 180
 aataaaagtt aaaccttcca gagcgtacaa atttcaagac ttctgattgc agtaccceca 240
 ctggaatcac tctctctctc tcctaattgc tctaattgagt agacatccca acccctatcc 300
 ctccaatagg agatataaac tgctggaact tgttgactc tccaataatc ctcacctcca 360
 tttggacgca gtgctgtaat aaattcttca ggcatatcaa aaagctctat tgattttagt 420
 tttgttaggt gctcaatgcc taatggtacc tgcttcaatg aatcacagcg ctggatgatg 480
 agc 483

<210> 10587
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c01a1
 <400> 10587

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 aaatttcgcc acttcagat gaaaagttcc aaactttcca ctccaatccc cggttaaatc 120
 ctaaccctt gttcctttca ctgtaagcat tctcaattt gacaattttc tctctctcc 180
 acaaaatgat gtgtgtgcca ctttctctct cctcaattgg ggtgtgaaag tttccacctt 240
 tttctttctt tctttctttc tttctttcca ttatctatgt tagttctgca ttgtttgttg 300
 cttgggcttg ccaccctgtt gcatgctggg gttgggtg 337

<210> 10588
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125c01d1
 <400> 10588

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 tcaataaggg gcacatgcta aggcacagta gcatgacctt atttatttta aaatcatgtg 120
 gaatatctcc atctttaacc tgcccccata cgcataata ctttaggata aaagggcata 180
 ttcatttttt tttcagaaga taaaaagaac aaattcccaa agctggatct gaaggcaaag 240
 aaggggggtc atcaccatgc acaatctttt gtaccacata tttacaggaa atctgtcaaa 300
 ttattagaat gtaaaaaatt gacagcaaatt agtacttttt gttttttatg ctagcaatgg 360
 tgttttccct agcacaatgt tactgagtta cttacggtaa ctgactgaaa agtactttca 420
 aggcaaaggt tcttgtgaat ctcccaaacg agacaaatgg agatatgcat cagtgccata 480
 tccttcata aagattantt gaagatcacc 510

<210> 10589
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c02a1
 <400> 10589

aatcaatcaa taaaagcac tatctaccac acgactcacg acccagtaac cgggttctgc 60

aaatttgccc agcttgca ga gaaaaggtc cagaactttc cactccaatc cccggataaa 120
 tctaaccac ttgatgctta cactgtaagc atacctcaat tagacagact ttatgctcta 180
 ttcacaaaac gatgtgtgtg ccactttctc tctgctaatt ggggtgtgaa aggaaccacc 240
 ttattctgcc tggccttcaa acattctatc cattctctat gggagaccgc catt 294

<210> 10590
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c02d1

<400> 10590
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 tcaataaggg gcacatgcta aggcacagta acatgacctt atttattttt aaaatcatgt 120
 ggaatatctc catctttaac ctgcccccat acgcatcaat actttacgat aaaagggcac 180
 attcattttt ttttcagaag ataaaaagaa caaattccca aagctggatc tgaaggcaaa 240
 gaaggggggt catcaccatg cacaatcttt tgtaccacat atttacagga aatctgtcaa 300
 attattagaa tgtaaaaaat tgacagcata tagtactttt tgttttttat gctaacaatg 360
 gtgtttcccc tagcacaatg ttactgagtt acttacggta acttactgaa aagtactttc 420
 aggcaaa 427

<210> 10591
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c03a1

<400> 10591
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 caagaagacc gtaacagctc ctacaaatgt aaaatcatat tctatagctg acctgcagat 120
 tgctactgga tccttcagtg tggagcaact tcttggtgag gggctctttg gacgtgtata 180
 ccgtgctcaa tttgatgagg gaaagggttct tgccgtgaag aagatagatt catctgtcct 240
 tccaatgat atgtctgatg attttgtaga actgggtttca aacatatccc aattgcatca 300

002220125c03d1

tcccaatgtg accgagcttg taggttattg ttcagagcat ggacaacacc tactagtcta 360
tgagtttcat aaaaatggat cacttcatga c 391

<210> 10592
<211> 440
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125c03d1

<400> 10592

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attttattta gactaatcca aaatattgga cccatacaat cacaaattgc catgaaaaag 120
gttgatctga gtcctagtta ttacaacaag attgcaacca tgaatcataa cccaggttca 180
atttcagaac aggggttaatt tatcgaaatt tatactccca atatactaaa tagggcataa 240
ccatacccct tgaaattgtg tttagtttaa atagtccaag gggcatttct ttaacttaaa 300
acattagctg gctgaagggg gttctaaaca agttattgaa atgggagaaa tttcatggcc 360
tttaaggcca ttttatcaac acaggccttt ctggttgcca tttacatggc ttgcggatct 420
tggacatcac cccctttgtt 440

<210> 10593
<211> 395
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125c04a1

<400> 10593

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ctggtttgaa ggtgaggatt atgggaccaa attatgtccc tggggagaag aaggatttgt 120
atgttaaaag tgttcaaaga actgtcattt ggatgggaaa aagacaggaa actgtggaag 180
atgtcccctg tggttaacact gttgctatgg ttggtttgga tcagttcata acaaagaatg 240
ctactttgac taatgaaaag gaagttgatg cccatcccat tcgagctatg aagttttctg 300
tctcacctgg tgttcgtgtt gctgttcaat gtaagggtgc atcagatctt tccaagcttg 360
tgaaagtctt aagcggttgg ccaagtcaga tctat: 395

<210> 10594
 <211> 485
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c04d1

<400> 10594

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 gatgcaaaat cctatggata aaaaatacac cgatgcaagg accaaatcac agaagtacaa 120
 cattcacgga caaaaccaca aacaaaactc gacaaaactt aaatctaaag taacattggt 180
 catatgagaa ataaattcgg ctaagttcaa aagtaagtta aatagttcaa acaatttaaa 240
 gcttgcttct aaactcggag agaggagtca tctgctcctt caagcccttc ctcttgcgga 300
 tgtccgtgac aagctgtgca gcttgagatc cagtctccaa tgggtcagaa gacatcatgt 360
 cccagtgatc aaagacacat tgcgggaaag cctggcctga tggtgcagac ctcaatgtgc 420
 tcgagatacc aaaggactca atgacgggag gtctgctttg atgttgtaaa gcggggtacc 480
 aggcc 485

<210> 10595
 <211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c05a1

<400> 10595

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 aataggaaaa aagtagttgc cgccacttgc aacattcagg ttcttccaat cattttgggt 120
 gtttatgatt tgcaactcaa gtacgtttag catgtctcag ttatgatggt tgggtaaccg 180
 tcgtgctggt tatctatacc tgagttttag gggaagcttg tggccctttt tgtttttagaa 240
 tatgttatgc tgaagtttgt aatagttggt tgattataag attcctgata tttttatttt 300

<210> 10596
 <211> 306
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c05d1

<400> 10596

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 aacgtatatt gaaacaaaaa gggccacaag caccttttcgg ccaagctgta tcatgacacg 120
 gagagcatgc taccactgct tgagatccta aagatgctca acgttcttga gttgcccac 180
 ataaacaacc acaatgattg gaagaacctg aatgttgcaa gtggcggcaa ctactttttt 240
 cctattacta cgtaattaag aaccatacaa ttccatatga tcacaaacca tgtgagccgt 300
 tccttg 306

<210> 10597

<211> 373

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125c06a1

<400> 10597

gtaggcaata gagatcatgg cagttgaaga gtcttatcca ttgcaagaga caaggagggc 60
 caaaggaagg gtcatttaca caatcttctc tttatcactt tttgtgggca ttttgttcat 120
 ctgggtttac agagtgagtc acatacccag agaagggtgaa gatgggaaat gggcttggat 180
 tggtttgctt tgtgctgaac tatggtttgg tctttattgg ctctcagac accctttcag 240
 atggaaccct gtgttcaggg aacctttcag acacaaactc tctcaaagat acgaggagat 300
 attgccaaga gtagacatct ttgtgtgcac ggcagatcca aggattgagc cagcagtgat 360
 ggtggatgaa cac 373

<210> 10598

<211> 501

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125c06d1

<400> 10598

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 cacttgaata aataacatca ggatattggg gaattgagat gactaacatt cacgttttct 120

aaattacttc actaaaacag aaaaactttg caaatgaaga acacttttaa ctaaaagtga 180
 gaatattaaa cattttaact tatggcaata aagaggacac atgcacttag agccaatgtt 240
 gttgatttaa ctgcaacaga tattggtaat cttcccttgt cttttcttag gtcgaggcct 300
 tggtacacag gtacattgat aagaaccaa actccactta gtagaacttg caatgccatt 360
 gtttcataaa ttctgagacc cccttcactt atgaatactt gctttagtaa cattccaaga 420
 agacaaaaca aattgagcaa tgcaagtgtc gcaagtaaag tgagcattgn ggatgagttt 480
 ccaaactcca taacttcttt t 501

<210> 10599
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c07a1
 <400> 10599

cttcaatgct atggtgaatc agtgtactgc acatcttcaa acttgctgag caaatgcaac 60
 aatgggcaga gtccactgga caggttcaca tcagtagtag catggagcat atctaccaca 120
 cgccccacat cttttggtgt tgctccttat aatccactc ttggagagac ccaccatgtt 180
 tccaagggca atctcaacgt cctagttgag caggtatcag tcaaccctcc agtatctgcc 240
 ctccatgcaa cagatgagaa ggaaaacatt gagatgatat ggtcccagca acctgttcca 300
 aagtttcggg gtacatctat tgaagctcaa gtgcatggta aacgtcagct gaagctccta 360
 aatcatggag aaacatatga aatgaat 387

<210> 10600
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c07d1
 <400> 10600

aagaatcttc aaagcaagcc cattttcctt acttggcagg actaattata ctgttgatt 60
 tattcatcaa actatctcac tatacattaa aaatttaaaa taataacaaa cttaggatta 120
 aatgaatttc atgagtacaa caatgaatct cccaatccct ttggcgtcca accagaaata 180

agtgcgtttc aatTTTTgaa cagcctaact gcgttttggc tgcattttaa gacatcatag 240
 tacatagtag ataacaataa attattgagc tatgatgggg gcctcagggg cccatttatg 300
 agttggtgaa cagtcccatc cccacgtgtc tttaccgtag gacaccctaa aattcttagg 360
 aaaccaagtt tctcctttca tggctctgtc tctcaacacc ttctgtgtc tttcttccac 420
 atcttggttt gcttctcttg ctctttccca atctttgtc ataatggctt ggctcaactc 480
 actccatata agggctgatt cggttggcca cacac 515

<210> 10601
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c08a1
 <400> 10601

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 aatataactg ctctcttca tgctgcaa acaaccaact tcttcaacca caaccacaac 120
 cactttgtgc attaaaacc ccccccctct cagtccaca caatgtatct tatctttggt 180
 gtcccttttt ttttttggtt cccctctcat cactctgcaa ttctctgcct ccaaacatgc 240
 cattttctag tcttggttt gagttattat aattataaat gttctgttat ttattttgtg 300
 ctaagtaagc tggtttgcca aatttagaca ttgaaagtgg catatgcttt catttgatta 360
 taaataaaag tagcatttct agttctctca tttccttctt agagaacttg tgcttacaac 420
 gtaaatgact aaatgtagag cctgatttgt gattgcttca ttctgagta cttacaatgg 480
 aaatatg 487

<210> 10602
 <211> 520
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c08d1
 <400> 10602

gcaaatgcca attatttgac atcactcttt ataaacatta ttcatttcca aatgtacatt 60
 tggccctacc gtgtcgtaa aggctaacat gggtgatgct gagtacaatt gagtaccaag 120

ctatatatgt ggcttagatg atacaaggac taacatgttg gtacctctca tgctaatatg 180
 ctccttcttt aggtagcaaa tatgagagga gaatttcggt ccacatatca ggaacaccgg 240
 ctaagcacca atggctacaa tcaggcacag atggcttggt actccaagtg cccacgtgtc 300
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 tccaaggcct ttgagtcact atgcaagaat tgtggttctg tccactccaa tgagatgatt 480
 cataggtgcg gaagaatatt cttgtcctgt ttggattaat 520

<210> 10603
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c09a1
 <400> 10603

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 atctcataaa ccatggcata tacttggtca ccatacccggt tcttctcgtg gtgttttagtg 120
 ctgaggttgg gagcctcagc aaagaggacc tatggaagaa gctttgggaa gacgcgcgtt 180
 acgaccttgc tacgggttctt gcttcctttg gggctcttctg tttcaccttg tccgtctact 240
 tcatgtcgag gccacgtccc atttacctca ttgattctgc atgttataaa cccgatgacg 300
 aactcaaggt gtcaaggag cagttaatgg atgtggcaag gaaatcaggc aagttcgacg 360
 aagcaagtct agagttccag aagaggatgc taatg 395

<210> 10604
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125c09d1
 <400> 10604

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 aattaaacaa ggaggcaacc atatgcctaa tgagggaatta aaagtataga atttcaagcc 120
 aggaataata aaatgagaaa gaaacagaaa gcagctgtaa catttttaaag accaacttag 180

aactaccctt attgatecta accatagctt tcacatgacc tcaactgatag attcataata 240
ctagtgcctt agaattttgc ttcagttgcc gagaggtgca tgatatctgt tgatgcaatc 300
aagccaaggg ttcctagaag gcttggcaac tcg'gcgcatg gcgcgcctaaa ccacgctgtt 360
gcacttgatg cctgtgccaa atgcgagttg ccaaacgcgg tctcctcttc tgacactctc 420
ttttgcttcc atggttagcca actcatacca aatgctgctg ctagaggtgt tgccaaagcg 480
gtgcactgtc atcctagatg cttcgatgtt cttgtcactc agttctaagt tcctttgaag 540
ctcatcaaga atg 553

<210> 10605
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220125c10a1

<400> 10605

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tgataggaaa attgggggtg ctttggactt ttccaaagga agcaaaatcg ctctgaaatg 120
ggctattgac aatcttatca gcaacggtga cactctctac atcgtccaca ccaagccttc 180
cggaggaagt gaatcaggaa atcttctctg gtccaccact ggttcacctc tgattccatt 240
gtcggagttt cgtgaaaagg aggtgatgcg tcaactatgag gtggatactg atgctgaggt 300
gttggacttg cttgacaccg cttctaggca gaaacaggtg aatgtggtgg caaagctata 360
ctgggggggat gcaagagaga aaattgtgga agccgttggg gatttgaagc ttgactcttt 420
ggatcatgggt agcagaggct tgggtgccat acaaagggtg ttactgngga gtgtgactaa 480
ttatgtcacc gcaaatgcga gttgccctat aacgattgtg aaagactctg cccttctact 540
atctgataag ctactga 557

<210> 10606
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125c10d1

09531413.032200

<400> 10606

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ttatttataa gcacaatttt gtggctataa ccatgcgctt aaaagagact ctgaaaatat 180
acattatgct tgccaaatcc ttaatcattc aagtgtgttc ataatcccaa ttaaacaatgt 240
gtaagaagta agaacggagg gaaacacact ctggtcactg atgaagataa aaacaaccga 300
ttgcaaaggc caaccaaatt cagtagctta tcagatagta gaaggggcag agtctttcac 360
aatcgttata gggcaactcg catttgcggt gacataatta gtcacactcc ccagtaatac 420
cctttgtatg gcacccaagc ctctgtacc catgaccaa gagtcaagct tcaaatcccc 480
aacggcttcc acaattttct ctctgcac tcccagtat agctttgcac cacattcacc 540
tg 542

<210> 10607

<211> 578

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125c11a1

<400> 10607

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acacatgtgt tggaggcat tgttacaggc tagtctttat tgtcatgact ggagcatgca 180
ttgttggtatt cttcttagac attctgttgt caatcagaac caagaatatt tacaccaaga 240
tttccacgag caagaagccc aagaatcct taggaacatc aaataggcag tgattcagaa 300
tggtatgaca ttcttgggat tgatgaactt tatgctcaag tgatatctca gtatccgtca 360
gcaaggtgac ttgtcctatc tgatagttaa aactcatttt tccaataaag gagggccatt 420
tgtttttaat tccatttagg cctccatgta ctgggtatat tagttntttt tatgatgtgg 480
gatcagagag aattctttct gttccatag aaaataagtg tatntagtat cgtgagaagt 540
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<210> 10608
 <211> 566
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c11d1

<400> 10608

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tggacagact agtgactatc gctattagcc aaataacact gactgggtacg aacaaacagc 180
taataataac acagcgtgat attttaatct atcaaaaaac tctcacgata ctaaatacac 240
ttattttcat atggaacaaa aagaattctc tctgatccca catcataaaa aaaactaata 300
ataacagtac atggaggcct aaatggaatt aaaaacaaat ggccctcctt tattggaaaa 360
atgagtttta actatcagat aggacaagtc accttgctga cggatactga gatatcactt 420
gagcataaag ttcatcaatc ccaggaatgt cataccattc tgaatcactg cctatttgat 480
gttcctaagg atttcttggg cttcttgctc gtggaaaatc tgggtgtaaatt attcttggtt 540
ctgattgaca tcagaatgtc taagaa 566
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<210> 10609
 <211> 580
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125c12a1

<400> 10609

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acaaatggtg gctacgtgtg tccctctaca taatctttct tcttgtaggc caatctgcag 180
ccactctttt gggaagatta tactatgaca atggtggtaa tagcaaattg atggcaacat 240
ttgttcaatc agctggattc cctgtacttc ttccactcct tttttacttc ccaagacaaa 300
cacatgcaa gtttaataac aatcccagca ataatgatta ttctacaaa aaaaaccaa 360
aattctgcac ccttgttttc ctctatctag cttttggcct aattctcaca ggggacaact 420
tgatgtattc ctatggactt ttatatctgc ctctttccac ctattctcta ctatgtgcca 480
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cccaattagt cttcacgagg tggttctcttt cttcttcaat tcccagagaa tcacagcatt 540
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<213> Glycine max

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<400> 10610

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<210> 10611
<211> 311
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125d01a1

<400> 10611

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actatacatt attattgcac gggtaatgct gcttattagt atgtgttttg aactagggtta 240
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<213> Glycine max

<223> Clone ID: jC-gmf102220125d01d1

<400> 10612

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taaacggaag aaatcaaaaa ccaaaggctt tccaaaaaaa ataaaattcc gattggggcca 180
accaagtaaa tggaaaatta aaaaaacttt actgaatggc ccccccaaaa cccttggggtg 240
aaagccaacc cccgtaaagc accaaaaccc aatcatatcc cggaggagct atggccttgg 300
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ttttaatagg ggcccccaa 379

<210> 10613
<211> 312
<212> DNA
<213> Glycine max
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<400> 10613

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gaaatcgcat cc 312

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<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125d02d1
<400> 10614

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aaaaagggat agaaactaaa acctaaagt ttttacaatg aactacaatt tcgcacgggc 180
ataccaaatc aacgaacaat tccaaaacca caaatgaatg ggcaccccca tatccagggg 240

gctgattggg actgtataaa caactcgcgc aatcgatgac ctgttgctaa ttgattttga 480
gta 483

<210> 10617
<211> 360
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125d04a1

<400> 10617

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tatgaggcca aatgggtgct aagaaacaga gccaaactca agggccatga ttgggaggat 180
gtggcacggc acgtgtcggc acgtgccaac tgcaccaaat caccaaagac ttcaacgcag 240
tgtccgaaca aggttgagtc cctgaagaag agatacagat cagaatcagc agcaacagca 300
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<210> 10618
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125d04d1

<400> 10618

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tattgttgac acttgcaaag atcctagcaa tctctaactg tgtattggca attatttcag 180
ttctcttaag gtccatttcc cctcttttgg cctcagcttc aactctcatc ctctctatct 240
ccttcattgc gtccattctt gcttggtcag accttatcat agcttctgta agccatctta 300
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<210> 10619
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d05a1

<400> 10619

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 aatcagttat agctcgaatg tccaagggc gagagtgtcg ccaccgtcca agagctctct 120
 gagtccaccg ctgttctctc cgctcgcgga atgagctgcy ctgcctgcgc cggatccgtg 180
 gagaaggccg ttaaagcct ccccgga 208

<210> 10620
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d05d1

<400> 10620

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 gccacgtatc tcaagggtgt ctagcttctt gggctctctg taatatttca acaacagaga 180
 acagcaaaca acgctgacag aggaggcagc catagcagcc ccagcaatcc aggggtggcaa 240
 tctgaacctt gtagaaggga aaagagctcc agcagcaatt gggatgcaa gcaagttata 300
 acccaaagcc caaaagtaat tcaggcgat acgggaaaat gttcttctgg aaagggtcaat 360
 ggcagttatg acatcctcca agttgcttct catgaggaca tt 402

<210> 10621
 <211> 360
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d06a1

<400> 10621

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atattctaaa cttgtactga aaaatatgga gggaaaagaa gaggacgtaa gagttggagc 180
 caacaggtag ggagagagggc agccaatagg gaccgctgct caggctaaag actacagaga 240
 gccaccgtcg ggcctctctc tcgaaccggg agagttgtca tcgcggtctt tctataaggc 300
 tggcatagca gagttttgtg gccactttct tgttctctca catcacagtg ctgactgtga 360

<210> 10622
 <211> 444
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125d06d1

<400> 10622
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 caaaaaaaga aataaacgat gcataccaca cggtttgcgc aagttctaata gcgtctccaa 180
 atacatgaga tttgaataga ttaattatgc ataaattaat agtagtagta gtagtaaadc 240
 attagcagaa gtcataggaa catctttttac gtgggaatgc tgtcttggac tcaactagtt 300
 actactttta tttttgaggc attattcctt caattcatct tcaatgttgc atcactttga 360
 cgagaagggg atggccctga tcaactatctg atggtacaaa gctgcaagtg ctgccccatg 420
 aaaggcccac ccaaaatatc aatg 444

<210> 10623
 <211> 337
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125d07a1

<400> 10623
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 aatatacttc ctctctttca tgctgcaaac acaaccaact tcttcaacca caaccacaac 120
 cactttgtgc attaaaaccc ccacctctc cagttccaca caatctatct tatctttgat 180
 ttcctttttt ctttttgctt cccctctcat cactctgcaa ttctctgact ccaaacatgc 240
 cattttctag acttggtatt gagttattat aatcataaat ggtccgagct ttatttcgag 300

ctaagtaagc tggtttccca aaattagaca ttgaaag

337

<210> 10624
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125d07d1

<400> 10624

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 ctatatatgt ggcttagatg atacaaggac taacatgttg gtacctctca tgctaatatg 180
 ctccctcttt aggtagcaaa tatgagagga gaatttcgtt ccacatatca ggaacaccgg 240
 ctaagcacca atggctacaa tcaggcacag atggcttgct actccaagtg cccacgtgtg 300
 catcacttct atatgcagtc attggtgtaa catgcagaac tgttactgga gcaactcatgt 360
 ttttgacaac tttgctgac atatttgaaa ttgggtttct atccttgccg ttagttctct 420
 tccaaggcct tcgagtcact ttgcaagaat tgcggttact gccactccaa tgagatgatt 480
 caaaggtgcg ga 492

<210> 10625
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125d08a1

<400> 10625

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 aatatacttc ctccctctca tgctgcaaac acaaccaact tcttcaacca caaccacaac 120
 cactttgtgc attaaaaccc ccacccctct cagttccaca caatttatct tatctttgtt 180
 atcctttttt ttttttggtt cccctctcat cactctgcaa ttctctgact ccaaacatgc 240
 cattttctag tcttggattt gagttattat aatcataaat gttctgttgt ttattttgtg 300
 ttaagtaagc tggtttccca aatttagaca ttgaaagtgg catatgtttt catttttcta 360
 taaataaaag tagcattttt ttttctctca gatccttctt agagaacttg agcttacaac 420

gtaaatagact caatg

435

<210> 10626
<211> 490
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125d08d1
<400> 10626

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ctatatatgt ggcttagatg atacaaggac taacatgttg gtacctctca tgctaatatg 180
ctccttcttt aggtagcaaa tatgagagga gaatttcgtt ccacatatca ggaacaccgg 240
ctaagcacca atggctacaa tcaggcacag atggcttgct actccaagtg cccacgtgct 300
catcacttct atatgcagtc attggtgtaa catgcagaac tgttactgga gcaactcatgt 360
ttttgacaac tttgttgatc atatttgaaa ttgggtttct atccttgccg ttagttctct 420
tccaggcctt tgagtcactt tgcaagaatt gcggttctgt ccactccaat gagatgattc 480
aaaggtgcgg 490

<210> 10627
<211> 367
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125d09a1
<400> 10627

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tcaacacttc atgaaaagct actctgatct cctcatcagg acgtgccaca ggcgcggtgt 180
gcatgctatg ggaggaatgg cagcacagat tccaatcaat gatgaccag tggcaaatga 240
tgcagcactg gaactggtca tgaaggacaa gcttagagaa gtgaaggcat ggcacgatgg 300
aacttgggct gcacaccctg gtctcattcc agcctgcatg gagattttca acaacaacat 360
gggcaat 367

<210> 10628
 <211> 617
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d09d1

<400> 10628

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 atattttata agaacgaaaa atatagggtt cttcttttta ttgaataacg ataagtcgat 180
 aatcactaag tcatagacac aatgacacca tcgtgcattt gtgattttct cacatcagca 240
 actagaagta cacaagacag agtccaagt atccaactat taggcaataa agaaccctt 300
 agttcaaagc tttagcgggt ccttccttgg cgtgatgcac aactatgtaa ttataggcat 360
 ccaaagtgag aaaatcatca agagttgggg acgtgcattg gcgagtgaag atcttgcaag 420
 ccgccttgta cattcccttg tagaacttct ctgttcccac ttccttttca atcctagcca 480
 tctgttggtc aaccactcta tcaaaaaggt ctttgttcac tttctctcca agcccatctt 540
 catctagctc cactccatac ttgagccact gccagttctg caccctgcta atctcagcag 600
 tggcagcatc ctccatg 617

<210> 10629
 <211> 509
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d10a1

<400> 10629

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 gagagagagc gagagagaga gagagaatgc cacgctgggc tatcgcggtg catggtggcg 180
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 gctgtctcaa tcttggaatc tctgcatctg cacttctaata actatccgcc atagatgtcg 300
 tcgcacttgt gtaccacgga attggaaacg gatccgttgg tcaattcggg ccgtgcatct 360

gccctgacac aaaaaggaac ggcggtgatg cttgctctca tcatggatgg tccataacga 420
ctattcggcg caggtcctga tcttaccacc gataagaacc cgatctctct tgctcgtttg 480
gctatggaca actccacgcy ttcctacct 509

<210> 10630
<211> 426
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125d10d1

<400> 10630

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tgttatctaa acagggcccc agtagaaaga ccctgcacta ctggggtaca tggtcaaaaa 180
atcccaaagc tgcgttgaaa caaccatgat ggaaaataat gaagctattc ccagattcca 240
acctccatga agccattttc agcggcacag acattaaaca tgccattgga attgaaacca 300
taagccactt cccgaacgtt ggacacagca ttgagaccag ccattcctgt atcgagacgg 360
ggcttgatca caaaatccac ggtttgttga agcttcaagc ctttgcattc cattaccggt 420
gtcacc 426

<210> 10631
<211> 582
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220125d11a1

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acaactcaga cagaaactca aatgtcacac agcaacttca acatccaaga ttcagaaaaat 120
acaaatgggtg gctacgtgtg tccctctaca taatctttct tcttgtaggc caatctgcag 180
ccactctttt gggaagatta tactatgaca atgggtggtaa tagcaaattg atggcaacat 240
ttgttcaatc agctggattc cctgtacttc ttccactcct tttttacttc ccaagacaaa 300

cacatgccaa gtttaataac aatcccagca ataatgatta ttctacaaa acaaaaccaa 360
aattctccac ccttgttttc ctctatctag ctattggcct aattctcaca ggggacaact 420
tgatgtattc ctatggactt ttatatctcc ctctttgcac ctattctcta ctatgtgcca 480
cccaattagt cttcacgcgg tgttctcttt ctctctcaat tcccagaaat tcacagcatt 540
cataatcaat tctgtagtcc tncctaccat atcagcttct ct 582

<210> 10632
<211> 336
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125d11d1

<400> 10632

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aaaagtatgt gggcacaaaa gggggggccac cagcccaaga gaaaaatggc ccccgaggg 180
gggaaacccc agggggagaa tttttttggg gccgggggtt tttgggaaca aaaaaaagg 240
ggacccccca aaaaaatggg gcccccaagg ggaaaaccag gggggaaaat tttcccccca 300
tgggcttggc aaggggagaa accccggggg gggggg 336

<210> 10633
<211> 589
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220125d12a1

<400> 10633

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gtcttcaacc gcttcgacgc caacggcgac ggcaagatct ccgccgacga actcgacagc 180
gtgctccggt cgctcggatc cggcgtctct cccgaggacc tccgccgctt catggaagac 240
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gacgccttcg ccgacggcgg atccggcgag ttccgcgacg ccttcgatct ctacgaccgc 360

gacaaaaacg gcctcatctc cgccgcggag ctccacctcg cgctcaaccg cctcgggntc 420
 aagtgtccg tcgacgaatg ccgcgacatg atcaagtccg tcgacgccga cggcgatggc 480
 tgcgtcaact tgaggagtgc agacgatgat gacgacctcc agaatcgtgg cgcgccacca 540
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<210> 10634
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125d12d1

<400> 10634

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 acacgagcac gaaaccgaga accggaagaa aggcctcccg gggagaagcg aagacccgga 180
 acgattgacg gcacaccag gaagctagca cggcggcacc atcaaaataa ccgagggggg 240
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<210> 10635
 <211> 312
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125e01a1

<400> 10635

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 cctcagcctc aactcacac atacacacat ctgaacgcgt atcgctccctc ccatggcttc 180
 aaagcgcac ctcaaggagc tcaaggactt gcagaaagac ccaccaactt cttgcagcgc 240
 tgggtccagta gctgaggaca tggtccattg gcaagcaacg attatgggtc ctgctgatag 300
 tccttatgct gg 312

<210> 10636
 <211> 457

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125e01d1
 <400> 10636

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 gaacatagtt atttttatca aattaagaca cgcctcttc ctatccccctc ataacaaca 120
 taatcttacc ccagaaaaac aggaagagaa aagcaaacc acaaaagttt tcatagatgc 180
 catccatttc aatatacatt atctaaacac aaatcagccc atggcatact tctgggtcca 240
 gctgcgtgca gtggcctcat acttggcccg gtcagttttg tacatgtgag cgatttccgg 300
 aacaagtgga tcatcaggat ttggatcagt cagcaatgag cagatagaaa gcagtacctt 360
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<210> 10637
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125e02a1
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 ttaactctct tgtttattca gaagaatggc atcctgggtta ttgggaaggt cgagtaggat 180
 cttgattcat caacatcacc accttcacaa aaagtacttg cttttcttgt taggaccatt 240
 tcttaaccat aataatagct cttgttcctc ttttccatca actgaaccat ttaggtgccg 300
 tgatgcattt ccgggtaaga actca 325

<210> 10638
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125e02d1

002220"EFFE60

<400> 10638

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ggtttgatgg tatttgggtca tagacatcat taaataagtc ctgaagtgga ggtttttgtg 180
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attcatcctt gtcactccac caaccattcc tttctacceca tcttttgaac ctattcactg 300
gattccttgc catcttccaa tattcaatct catcagttcc ccggtactta gttgaatcat 360
cagatgtaga gtgatgtcca actctataag tgagagcctc aattaaaact ggccctttttt 420
cttttatagc gatttctcta gcagtgtgaa ctgcactata aacagcaaga gcatcatttc 480
catctactct gatgctccag atgccatang cnttaccctt aactacaata ccatcacttc 540
gaaattgg 548

<210> 10639

<211> 421

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e03a1

<400> 10639

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cagtgcagaa cttctgaaga aatggcaaata catcctttga cacactctca ctctttccgc 120
gagaggtttg atgaaactct cactggtcac aggaacgaaa ttttggccct tctgtcaagg 180
cttgaagcca agggcaaggg aatcctgcaa catcaccaag tggttgcaga gtttgaagaa 240
atccctgagg agagcagaaa gaaactccaa gatggtgtct ttggagaagt tttgagatcc 300
acacaggaag ccatagtgtc gccaccattt gtagctcttg ctggctgaca aggccctggtg 360
tatgggaaat ctgcgtgtga atgtgcacat gcttgctgct gatgagcttc gtctgtctga 420
g 421

<210> 10640

<211> 353

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e03d1

<400> 10640

ctcactccct tttttttttt tccctttcct cggaaaaagg ccctccctaa aacccccatg 60
 gcgggggcaca acccccccggt tccaaaactg cccaccctcc ccccgactgc cccccccac 120
 aagctttttaa aaaaaaaaaac ccctccgtgc cccctttttc cccccaaccc cagctccact 180
 ctgacacccc cccccctttt tctaagccc ctttacaccc caagcccgac cccctcccaa 240
 aagcgagcca gaacctacaa cagccccgcc agcacctgac cccccaaac cccgtgtgcc 300
 cactaaaggc ccccgaacc agcaaacc ccttgacac caacggcccc cac 353

<210> 10641

<211> 429

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e04a1

<400> 10641

gttagaatac acagaattat gagctgtgaa ctcttattat tcatttaatg ttcatatgat 60
 catctgggtc tttcttgatt atggagtcta ctacctctg tcgataatgg gaacgaatct 120
 cagcactccc aaaactgaga agtcttctga tgatgggtgaa aatgagcatc ttagatatgg 180
 tttatcatct atgcaaggct ggcgtgcaac aatggaagat gcatatgctg cacatcttga 240
 tctggatgca tccacttcct tttttggtgt ttatgatggt catggaggta aaagtgggtg 300
 caaagttttg tgccaagtat cttcaccagc aggtgctcaa gaatgaagca tacatagctg 360
 gagatatagg aacctctctt aagaatcatt tttcagaatg gacgacatga tgcgtgggtc 420
 aaggggatg 429

<210> 10642

<211> 522

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e04d1

<400> 10642

cacataacaa gggtatttga tgagatatac tatatatata cacaatgttc taataagttg 60

gggccaatat ccttgcaagt gatagcaagt agctaaacat cacaaaaatgc ctgcagattg 120
 ttgctaatag ctataaaaac taacatttgg agcctcttat tgaacaagca aaacagattc 180
 taggtgtgaa aataaacaca gaaatttggg aacaaatgct agttgaagtg aaaatgatca 240
 tctagactca tgtgtctaca tgtgtgtagt gttgctgctc aaaatttact aacttttact 300
 gctctctagt cttagttcag atgtagctta tttcatttga agatgatagc tcttatgtta 360
 tgccggtgca cttgattggg ccagtttttt gaactgcacc aaaatcatgg tcatgttatc 420
 acatccatca ccaacagtaa ttgttggtgc caaacattga tctagtactc tttcgcaacg 480
 gcagaagttt agtttccaga gcagttggtg acgacaaaat ct 522

<210> 10643
 <211> 322
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125e05a1

<400> 10643

ttctccctca ctctcttttc agttaggggt tgcagaacgg tggtagaggt gtggattccc 60
 aaattttgaa ggtaatttct cagaagcaga agaagtagtt ggcacttgat atggctcgaa 120
 ggaagagtat tgctagcaga aaattaacta agcgtcagat ggtactggca gagaaagatc 180
 acaataaagg aaaagcttct aatagtcatc caatgaaaca acatactaga catctaggac 240
 agacgacttc tgaaattcca ccttgtgctt catcacatgc aatatctcgt gccactgatc 300
 catttgctag gacatttgac gt 322

<210> 10644
 <211> 577
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125e05d1

<400> 10644

cttaattcat caaaatcttg tctttttacc cactccattg atgaagatga gccatgatag 60
 caaggccttc ctaccattcc aagccccctt tttctaacta tagcatgcca gacatctgac 120
 tcacttggtg gaggatttcc ttgcgcaa atgcacttttg tcaattgttc caatgttcgt 180

gcaaattcct cattgacatg ttgtgatctc ctatccacct atagctgagt atatgggtca 240
 gttcgggtcca ttttgggtctt caattaaatg aactacacca agctgaccca cattaaatgg 300
 accacatttt tacctagact gcatccagcc cacttatctc acaggctaata ggactgattt 360
 gctggcccaa taataaaaaa aaattgaaaa ttgaaaacac tagtcaactt tttgaaaaat 420
 gataaaaaaa tttgaaatat ctctaattct ttacatcaat aaactataaa tattgaaata 480
 ctaagaaaga aatcaacgta tactaatcaa atccaagtaa taattattca aatcactaat 540
 aaactataca atataaatat attcaaaaaa gtatctg 577

<210> 10645
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125e06a1
 <400> 10645

tcgtatatga ttggtcggtc atagcagcgc ttgctcatcc actccaccct tgaaaggaaa 60
 caaaattcac acacagaaga atagaagggt agttaagctt gcttaagcaa cgcagagaga 120
 aacaaaagga gcttttgttt atccaggcca aattgtaatt aatcaaactt tctgggatct 180
 tcttctttct cttgccatgg gcgcgtcgcc gtcgtctttc gccgcgggaa acatcatg 238

<210> 10646
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125e06d1
 <400> 10646

gcactagtaa tgcttttata tttcctcttc ggactggtgg gagaatcccc tcgtaaggta 60
 caagtcaaac aaactataca tacaacgttg tattaagatc aactatgcac acaatccaat 120
 gatgacgcaa accaacacaa accataaaga aagaaaacag aaactacaaa agattcactc 180
 aatgcaaagg cttttataag ataaagggtt gaatctcatt tattcaagag ataatggcat 240
 cagaaagaat attctcttta tcttacaaga tgtatggatg aacactattg ctgcttatag 300
 tagccacttt ggtgaggcgg aggatatgga gatggaatgg tataaggagg ccgaggaaca 360

acaccttcac cgtctccttc tcatccctca ccttcttctn caaataccta accc 534

<210> 10649
 <211> 464
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125e08a1

<400> 10649

cattttttaa aggacaaaac ttagatacaa gttcattggg tattgtttgt attgtttctcc 60
 aattagaaat ggagtttcac cttggtaatt tgtgtaatcc tttaatatag acctttatta 120
 cacggattac ttggtaaaat ttcaattcta attggagagc aacctaagga actatcttgg 180
 tttggtcctt tttcaaaacc ctggttctgt tctgtgatag atatgtttgc tagttagcta 240
 tttatctttc aaatttttgt taccacagtt tcatttgcaa ttcttcatgc ttcattggata 300
 cagttattgt attggaattt ggatctatgt gtttctttta gttatgggtct aaatctatgg 360
 agaactttgt gcattgacag aggcaggatt ctttagcact gctttccaga ttatggaccc 420
 cacttagccg gtacctttga gatgtaatgc tttgccgtgg caat 464

<210> 10650
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125e08d1

<400> 10650

agataacaag atattggaat ttataaactt gtaaataatta tataaaccga tgaacagaaa 60
 agatatatca tcaaccataa gagcctgatt ttctggatca atattctcta gaaaaaccct 120
 tatgtgcaat tttttctgct ctacttgagg atttttggcc aaaaccttgc gcatataagc 180
 tataatacta ttaatcttgt taacatccaa gtgactgata gcaagggtgag tcttgatgcc 240
 ccaatgagat ttcttactaa gattcctcac aacatttaca ctcaaattgt gattaggaat 300
 atgaactgct tcacaatcag aaactctcac tattgttggt gaccaccagc ttacatgcta 360
 tacaaaatat aaaatttgat tacaatgaaa atttttaaag atatatactt ggggaaaata 420
 tcacttataa taaaaatcac ttacactgaa taacattatg ttttctgttc cttctaacaa 480

ccttttcagt aagtaggtga

500

<210> 10651

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220125e09a1

<400> 10651

gaaatttccg tgaagaaaga gtaaatacct aaagtagtaa acgttcacaa ttacatgaat 60

aatcaattga tcgattcccc ttgatcgctc tgttttactg tccgtttcaa atccgacagc 120

agcccagccc ggcccggccc aatcatgact cccaaactcc aaaccgcggc ctccgtggtg 180

gccaccgcca tgctcctccg ttccctcgcc cgcgactacg tcccggcgga gctccaccac 240

tacctccgct gcaaactgtc gaaactcctc tcctcattct cctccgaact gactctggtc 300

atcgatgagt ttcacgggct gacgccaaat cccctcttca gcgccgcgca gcttaccttc 360

aaaccccacg ccgtccccga taaaaaacgc ttccgcgcca ccctgcccc gaaatcgcgc 420

cacgtttccc tnctcgtgga gcgcaacgg 449

<210> 10652

<211> 343

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125e09d1

<400> 10652

ggggcaaccc cttaaagata tgggggttaa acccctaaaa attcgatttt ttaaccacaa 60

acgggggatcc gaaaaaaccc cccaattaaa aaaaatgctg gggcgtaaaa gccttcaagg 120

ggaaaacaca cttttgcttt attcaagggc tcccccccta ctttaaagg gccccaaaaa 180

actgttaaaa gaaaattccg gggatacata ttaaaaaaac aggctcccc cctcatgggg 240

aaacaacatt ggccagggac aaatacgaag agcttgaaaa aaaaaaggag gccacttgct 300

cccaaatgaa gaaaaaacac cattttataa cccccaaggg ggg 343

<210> 10653

<211> 572
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220125e10a1

 <400> 10653

gttgtgttgt gttgaagtag caagctagca aagatgtttg gcatcttagg aggcaataag 60
 gggcacaaga tcaagggtag tgtggtgttg atgagcaaga atgtgttgga cttcaacgaa 120
 atagtgtcca ctactcaggg tggtttggtt ggtgctgcca ccggcatctt cgggtgctgcc 180
 accggtattg ttggtggagt tgctgatggt gctactgcca tcttcagtcg caacattgcc 240
 atccagttga tcagtgccac caagactgat ggacttgga atgggaaagt tggaaagcaa 300
 acctatttgg agaaacatct tccttcgtta ccaaccttgg gagacaggca agatgcattc 360
 agcggtttatt ttgaatggga taatgatttt ggaattccag gagcatttta catcaaaaat 420
 tttatgcaat ctgaattttt cctcgtgagt gtcactcttg aagacattcc aaatcatgga 480
 accattcact ttgtttgcaa ctcatgggtt tacaatgcan aaagttacaa agggatcgca 540
 ttttctttgc taataagaca tatctttcaa at 572

<210> 10654
 <211> 513
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220125e10d1

 <400> 10654

tttgtgattt tttttttttt tttttttttt tttttttttt tttttttttt tttttatttt 60
 ttggtttttg acataaaaaa acttgatttg accttcatag atcaaaattt caaacttaca 120
 tacgggggaa cattaccggg gggaacctga ttggggccca atcctttacc taaaaactgg 180
 cccaccccc ttttagattt gaaaaacttg gttccatcca attccaaaac ttaagcattc 240
 ctaagaaaat tttgcccccc taaatttgcc cgttttatttg gcaatgaaag gtcccttgga 300
 aggaaaaaaa accccacccc acacaccaca cactttcatt agaaagaaat gctggtggga 360
 attcccctga aagtaaggcc ttccccactg gtgggaaaaa acccaggggt aggcattttc 420
 cccggtccat tacgggtcct aagggttgaa atcttgcctc tccctgaaat tttgacccca 480

atttccttca acttggttcc aaactttctta aag

513

<210> 10655
<211> 556
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125e11a1

<400> 10655

cactaatcct tctctgcttg gaggcctttt tttttttttt tgatggatcc ggcaaaggga 60
ttggaagctt cgggggagaa gacccttcaa gcagaagtga aagccttttt cgattctgct 120
cctcctttgc agaaaagtga tgagataact cagaagtga atcagttcat tcaacgcatt 180
tcttctccat cagcgaatgg gaaagttagg agaattgttt gtgtgacttc tgggtggcacc 240
accgcgccat tggaacaacg atgtgttcgc tatgtggaca atttcagttc aggtcacaga 300
ggggccacat cactgagta tttcctgaag gctggatatg gtgttatctt tctgtaccgg 360
aagagaagtt tccagccatt ttgtagatcc cttcctgatg atcccttact tgaatgcttc 420
aagcccaccg atgaggcgaa cattcaagtt tgcgaggctt attctgaagc agtgaagagg 480
gctatcgtgg atcatcatatc tgcagtggca ggcggtctct tattgaaact tcctttcaca 540
ccatatttga gtatct 556

<210> 10656
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125e11d1

<400> 10656

cccataaaag aaaataaagg ttatttttaa ccgaagtcgg gcaaagggtt gggtaaaacc 60
ggcgtctccg gtacattttt tttttttttt aaaccccggt tccatacggg ctaattcatc 120
tcctttttat tcaggaccat gacttttttg cccaatgggt ggggggggct aaaacgggaa 180
cggaacggg gggaagccaa aggcattccc tagactcatt taccaaaatc ctcaagggaa 240
gggggatgtt cccccgaaag aagtttaatc ggggggttct caacatcctt atcaaacgga 300
cttttttccc cctgaacggg aaccttttgg gccctgggga caacccc 347

<210> 10657
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125e12a1

<400> 10657

ctcacacca aacctcatgg aaggctctgt caacgaacgt cttgattttg ggaagatggg 60
 atatgggtgc aatcattacc ggagaagatg caggattcgt gtcacctgct gcaacgagat 120
 ctactcatgc cgtcactgtc ataacgacgc tgcgagcttg ttgaagaatc cctttgatcg 180
 ccacgagctc gttcgccaag atgttaaaca agttgtttgt tcagtttgtg aactgagca 240
 acctgttgct caagtttgca caaactgtgg cgtcaaaatg ggagaataact tctgcaacat 300
 ctgcaaattc ttgatgatg atgttgagaa agaacaattt cactgtgatg attgtgggat 360
 ctgcagggtt ggtggtcgag ataatttttt ccactgcaag aagtgtggat cttgttatgc 420
 aattggtctg cgtgataatc atctgtgtgt ggagaactcc atgcggcatc actgtcccat 480
 ttgtgacgag tacccttttg attcattgaa agacaccatt gntatgaaat gtggtcacac 540
 aatgcaccat gaatgttacg tagagatgat aaaaat 576

<210> 10658
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125e12d1

<400> 10658

agaatgatca aaactaacga tcacagtgtg ttccaatgtg cgagaaaaac tacaaggatc 60
 aaataatccc gaccaaatta tagagaacca caatggctga caatgcaatc aatcacccag 120
 tatcaaatac atcactatta ccagcaattc atgaccggga aaaatgtttt ccctctgtta 180
 cagtataaag atgttcatac cagcccaata accaagagac aacaatccca ctccatattg 240
 tggaggaaga ataacctaag aaaactatct aggacacaat acaccaatca cttttgatgc 300
 tcaattaatt caatagccct ctataataat aacagggtgc taactttaat tttctgctga 360

cagttttccc ttcttgaacc caagaatctg gtcattgggg aagaactgga ggcgcaactg 420
 cacgagtatt atatgatctg cagtgaccac atttttggcc aagaatgtgg aagtaaaactt 480
 ctgttgcgtc attgcagtca ttacatagta tccaaacctt cctgtttcga taatcttcag 540
 gcatgac 547

<210> 10659
 <211> 336
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125f01a1

<400> 10659

cgaaagacaa taagtacgtg tgatgtggtg agtggaactt ggacatctag cccctcctcc 60
 caccattata actctttcct tctttggccc atttgcttct agttctagcc ccttcctttg 120
 ttaactcttt tgtttattca gaagaatggc atcctgggta ttgggaagggt cgagtaggat 180
 cttgattcat caacatcacc accttcacaa aaagtacttg cctttcttgt taggaccatt 240
 tcttaacat aataatagct cttgttcctc ttttccatca actgaacat ttaggtgccg 300
 cgatgcattt ccgggtaaga actcatcacc caccct 336

<210> 10660
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220125f01d1

<400> 10660

gattgtaaga tttagtacaa tttcttggtt gaattggcaa tatctacaaa ggaacatcag 60
 aagggtagtc tttgggatgc ttctcgatgg tttttctaata tagtctctct tgctcctgaa 120
 ggtttgatgg tatttggtca tagacatcat taaataagtc ctgaagtgga ggtttttgtg 180
 ctttctctgc cacctgaatc gcatgcatta actgcttctt gacactgctt ctaagctcca 240
 attcatcctt gtcactccac caaccattcc tttctaccca tcttttgaac ctattcactg 300
 gattccttgc catcttccaa tattcaatct catcagttcc ccggtactta gttgaatcat 360
 cagatgtaga gtgatgtcca actctataag tgagagcctc aattaaaact ggcctttttt 420

cttttatagc gattttctcta gcagtgtgaa ctgcactata tacagcanga gcatcatttc 480
catctactct gatgc 495

<210> 10661
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f02a1

<400> 10661

agggtctaca tagagcaagt gggaggagag acaagacaat agagagagat caaagggcaa 60
aatgagaaat acttgaactc tcaacttcac tgcccactct tgcccagaac cccataaaac 120
atacataagg ggcactgagg caattgatgc tttgcctttt ctattttcta gtaactttga 180
ctcactacca ttgtgtttct gcttgaggag atcactgtct tcaaccacag taaccaagcc 240
aagagacaca ctttatcttc cttcatggga atatgagaat gaaactcact gtgccaccac 300
tcatatcaac tt 312

<210> 10662
<211> 474
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f02d1

<400> 10662

gcaggaacaa tgagacaatt tatectttaa aaccaaaagg tacacaggag agaagaggca 60
aatagaccaa ttagtctaaa aactcacttt tgattcttgt ttctcttttc tgtctggggtt 120
gataaactgt gtataacaac taagtagaac tacaacata acatccaagc taaaaatctt 180
cactttgaac tttaatccag ctaagattaa caattataca ctaccctcct cacttctggc 240
cttcaaactc aagttatcca tcacggggga atttgaaaca gccttgtagt tatacaactc 300
tgcaattacg attataccac ttcactctgt catgctttct ctgggtaatg ctccagctgt 360
acaatgactt caaattatat ctgtaacaat aaaggactaa gagtctacac tactacatat 420
caagggtagg aatgaaatt acagtgcctg ggagtgttcc tactacacat taac 474

<210> 10663
<211> 435
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f03a1

<400> 10663

agcgaggag agatggagga aggtaaagaa tggagcctga ataagcagaa cgaaactacg 60
acgcgaccat cccttaaatac cgatgctcca ttcaacaaat atcaattatg gaaacacaag 120
ctgaggaaca attgctacaa aagggtgcga gaggcacagaa ctgccttact ctggaaattt 180
agatgcagcc aacaggagga ggatatcgtg aagtgtgcat tccaggatat tgtatctgat 240
gaattcaaca aaatgaaaca cacggatgag atgttatggg agtatgaagg tcctcccgat 300
actacttacc aggggtgaatg ccaagacatt ttgttagaaa tgcaaagaat cttttatcaa 360
gatctcaatt cccaatcacc tatacaagat ttagaatgtg atattgaaac ttgggaagat 420
gaagtggatt cagta 435

<210> 10664
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f03d1

<400> 10664

ataaaaatct aaagaaagat actttcattt ctgtattctt aagagttcta ggttcaacat 60
atTTTTtact acaagcacat tacctTTTTc ccatgcatat taaaatgaag caaaacaaga 120
tagggaaaac tctttgacat acgctaggca tcagatatct atataacaaa taacaacgaa 180
actgttaaat tacaacctca aatgtatcac aaccttcacg tgaaatgtac agtgcagtta 240
aattaaactt tgtcctcatg caaaattggg gttacaatct gcaaccttta tcaaaatgct 300
ccgtgtggac tttagccagc cggaccagta aaaagtccaa agtaagcttg ctagctctgt 360
gtaatcgaag ttcaacaaca gtgcagcata tgatattgtg attgactata agctctcctt 420
gcttacaaat aggacaccaa atctctttcc catgggcctc atattcattt agctgcatat 480
gctcaciaac tgcacgagcc aagtactgat ccaactgtatc ttaccatgtt tcaatatcac 540
attctaaa 548

<210> 10665
 <211> 422
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f04a1

<400> 10665

caacaaaccc ctgaggtgat tttcaccttt gaaacagagc ttaaagtcaa aacagaggaa 60
 ttggaaacca aggaggatat cttcccatgg ttttcctttc cttctccatc aattggatca 120
 gaaaacgagg acaacatggt acccgagact atgtttgaaa accatttcat ggaaagcttc 180
 tctccagtat tcttatcacc agcgacttca gaatcaaacc ctttctgttt gtcagcgtac 240
 cacttggaca gcactggact attatgccaa aacatacaaa cctcagaatc tgatatcact 300
 gagatagttt cagccccaac ttcagtcacc aagtcccaa tcctggattt ggatatcttg 360
 cttgataaaa ggggattttg acacggattt ccctttcaac attcctgaat ttttctcttc 420
 at 422

<210> 10666
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f04d1

<400> 10666

cagaaattcc taccttgctt gaaccaaag aagactaatg aaccaattac aaaagtaaga 60
 aaacggtaga ctacagcaac aaattattta cgcattacat cctaggtgaa ggtacattac 120
 atacaggaaa actctccaaa cttgcatgac agggatgttt cattgtcttg atttatcaac 180
 atgacttatg attacccttc catagtcagg atctacgact caccagttaa tccggaacag 240
 actatggcta tgctgatctt agttcttact ctctctttaa ctatctacgt ggaactgcag 300
 ggaagtctct atgaagagaa aaattcagga atgttgaaag ggaaatccgt gtcaaatcc 360
 cctttatcaa gcaagatata caaatccagg attggggact tgggtgactga agttggcgct 420
 gaaactatct cagtgatata agattctgag gtttgcattg ttggcataat agtc 474

<210> 10667
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f05a1

<400> 10667

cttcttcaaa caaaaatctg aaatttgagc tcaaacacaa aaaaaacaaa aatgaaacct 60
 acgatcacca ttttgttctc tctactactt ttcatagctt caccctcctt ggcaaccgga 120
 cccgcatcca accctgatca agtcatgcac tccaaggaca acaaaaacaa caacaaccaa 180
 ggtgatggtg gtgggttctt tggccccgga ggaagggttca gcatacccggt ttttggaac 240
 gggtttgaa atggcatcat aggaggagga tacggatccg ggtatggagg t 291

<210> 10668
 <211> 475
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f05d1

<400> 10668

gatgctacta tatatagatg gcttgaactc gttaagctaa tattccacaa acttaaggct 60
 agttgattta agtgcttggtg tttttcatta aattatctta attattgaaa taaatgtact 120
 attaaacact ttccaaattt taaacatact gaaaggcttg tattttttat aaagacatec 180
 attaatagaa cgtttttgta tttattgttg ggtgaggaat gagatctgga gtttgcggt 240
 gaaggttcat atcacatcga cgacctaatc tttgtctctt accatccgca tccaataata 300
 cgagaatttc atgtcaaac tgcactcca gtgtaggcat atgatggctt atcaataagc 360
 gatgcacttc tttttgcaat caacggtgca tccaccgcca ccgacaccgg tgccgtagcc 420
 cttgccggaa cggcttaatg aggagacgca cttggcagga cacgtaacct tcttt 475

<210> 10669
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f06a1

<400> 10669

cttcttcaaa caaaaatctg aaatttgagc tcaaacacaa aaaaaacaaa aatgaaacct 60
 acgatcacca ttttgttctc tctactactt ttcatagett caccctcctt ggcaaccgga 120
 cccgcatcca accctgatca agtcatgcac tccaaggaca aaaaaacaa caacaaccaa 180
 ggtgatggtg gtgggttctt tggccccgga ggaagggttca gcatacccg ctttggaaac 240
 gggtttgga atggcatcat aggaggagga tacggatccg ggtatgga 288

<210> 10670
 <211> 395
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125f06d1

<400> 10670

gatgctacta tatatagatg gcttgaactc gttaagctaa tattccacaa acttaaggct 60
 agttgattta agtgcttggtg tttttcatta aattatctta attattgaaa taaatgtact 120
 attaaacact ttccaaattt taaacatact gaaaggcttg tttttttat aaagacatcc 180
 attaatagaa cgtttttgta tttattgttg ggtgaggaat gagatctgga gtttgtggct 240
 gaaggttcat atcacatcta cgacctaatc tttgtctgtt accatccgca tccaataata 300
 cgagaatttc atgtcaaaac tgcattctca gtgtaggcat attatggctt agctatatgc 360
 gatgcacttc tttttgcaat caacggtgca gtcac 395

<210> 10671
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220125f07a1

<400> 10671

attttatcta ttctctctct ttcttttgtg ttctaagcag ctagaagcaa tggagaggaa 60
 aagaagccat gcctctttca ccatgtttgc aatgcttggt ggagtgatct ctgagagcct 120
 tgtcattcct gtagtatcca ccaactgttg agatcagaag aactactaca cccagatcc 180
 acatgctgga agtccccctt caggctcaca cagtagtact cctccatctc atggccatgg 240

aagctctcca ccctcacatc atcacagtag tccaagtact ccatcaacac cctcaggtgg 300
 aaactgtngg atcatcacct ccacaacatc atgatccaac aacaccctca actccatcaa 360
 caccatcaaa ccctccgtca ggtggatact atggaggtag cccccaaca cctgtcactg 420
 tgagcc 426

<210> 10672
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f07d1

<400> 10672

caaacaaaa ccataaattt tgcattaaat ttcgaagaaa ttaacatgat atccatctca 60
 atgcatatta atgaacatat catgtgagag ccttaaatga cacaaactaa cagaaatctt 120
 aaatataaaa tggctttaac tcaataaatt ggcacaccat actaattaac taattaagag 180
 tactactact taatctgtat ttcatcatgg tctaggcttc attcttcctt cgttggccat 240
 cttgaagagc tgggcttggtg cttctgctgc cttggttgag ttgagtgagg ccacaaacct 300
 gtccctgact tgggttggtg cgtaagggaa cttggtgttc accatggagt tgaggaagga 360
 agctgtgcct tctctgtaga gtgctcctag cccatcagtt cttgtgttgg tacgtgctcg 420
 tggcaagcta aggccaggac tgaaccctgg aacagtagta cctgtcacac caaatgcact 480

<210> 10673
 <211> 362
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f08a1

<400> 10673

gaggatgcat acaagtcacc attgagtgtc atcattcttg atgacattga gagattattg 60
 gagtatgtgc ccattggtcc tcgattttca aacttgattt ctcagacact gctggttctg 120
 ctcaaacggg cttcctccaa aggggaaaaa actcatggat attggcacag cacgtgaact 180
 agatttcttg gaatcaattg gattttgcga taccttctct gttacttacc atattcctac 240
 cttgaacaca acggatgcaa agaaggtcct agaacagttg aatgtgtata ctgatgaaga 300

tattgattct gctgcagaag cgttgcata tatgcctatc aggaaactat acatgttgat 360
cg 362

<210> 10674
<211> 586
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f08d1

<400> 10674

cagcacaacc taacaaacac tgattcaaaa aaatctctgt aactgaaccg taacaagcaa 60
tgtaatgaac tgttaaaaaa agatttcaac tcaataagga ttatatgcac tctaacttag 120
aaagcgctta atacaacaac ttataaccta acaacatcct ggaggcaatc atagaagtga 180
gcgatactaa tcttctcttt gccagaaaag atggcttctg cagatccacc atgctcccct 240
tgcgctgcca tctcgatcaa catgtatagt ttctgatag gcataatcatt caacgcctct 300
gcagcagaat caatatcttc atcagtaaac acattcaact gttctaggac cttctttgca 360
tccgttggtg tcaaggtagg aatatggtaa gttacagaga aggtatcaca aaatccaatt 420
gattccaaga aatctagctc actcgctgtg ccaataacca tgagctgttt cccctttgga 480
ggaagccgat tgagcagaac cagcagtgtc tgagaaatca agtttgaaaa tcgaggacca 540
atgggcacat actccaataa tctctcaatg tcatcaagga tgatga 586

<210> 10675
<211> 356
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f09a1

<400> 10675

gttgcgttgt gttgaagtag caagctagca aagatgtttg gcattctagg aggcaataag 60
gggcacaaga tcaagggtag tgtggtgttg atgagcaaga atgtgtcgga cttcaacgaa 120
atagtgtcca ctactcaggg tgggttggtt ggagctgcca ccggcatctt cgggtgtgac 180
accggtattg ctgggtggagt tgccgatggt gctactgcca tcttcagtcg caacattgcc 240
atccagttga tcagtgccac caagactgat ggacttgga atgggaaagt tggaaagcaa 300

acctatctgg agaaacatat tccttcgtta ccaaccttgc gagacatgca agatgc 356

<210> 10676
<211> 371
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f09d1

<400> 10676

gttactgttg tgggttgacc caaatactct cacattgtca ttgagggacc gacgtttttc 60
actttccttc tggggacctt gatacgggtc acctcggaag gatccccata cggagcctaa 120
aggcggaccc aacaccctta ttgctttgaa aaaccgggtg tgggccgatt cctaaacttg 180
agcgtacata aaaaaatttt gcccgacta gggtcgccgt gtctttggac atgacagggtg 240
cccagggagg gaagatagcc gccacctgga aaccacaaag tctatcttca taggaagccc 300
gccggggaac ccctgaaag gaagggcccc cccaccggtc ggaagaatca cccggtaggg 360
gacccgaacc g 371

<210> 10677
<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125f10a1

<400> 10677

ggagtatgtt ccagagtcca tgtatagagt cttaaagcac tatagcaatg ctaatcaaag 60
aatgccaatc atctacgtaa aactttatat gtaccagatt ttcaggggggt tggcttacat 120
ccacactggt cccaaagttt gccacagaga tttgaagcct caaaatatac tgggtggatcc 180
tcttacacac caagtgaagc tatgtgattt tggaagtgca aaagttctag tcgaagggtga 240
agctaataa tcatacatat gttcacgatt ctatcgagca ccagaactta tatttggggc 300
cacagagtat accagttcga ttgatatttg gtcagctggc tgtgttcttg ctgaacttct 360
tttgggccag ccattattcc ctggcgaaaa tgcagtagac cagcttgtag atattataaa 420
ggtgcttggc acaccacccc gagaggaagt acgctgtatg aatcccaaata acaatgactt 480
taggtttcca cagataaaag cacacccatg gcac 514

<210> 10678
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125f10d1

<400> 10678

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 aaggaactgg tgtgcattgc gcatcattgc aaatgaggca catattaaca agaggaaaca 120
 aaagccatcc atcaaaccct accatcaaaa aaactcttct cgaccctacc ctgcttacag 180
 ccaaggcttt agttttcccc aaacagaagc attctgagtt ctgatctgcg tgaccatttc 240
 aggtcaaata ttactatgac attgtagacg tttacaataa acaaggctat atatgcctgg 300
 ggaaataaag atccaccagt tagcacaagg gaatcaaaag gtacatatac tgacggatca 360
 actgcggcc tccggcatcg cgaatctcag tctcggttca gcttgaaact acattcgcca 420
 ggtcacagaa catggtatta agacaaaaaa taatggtgcc actttttttt aacttatcag 480
 ctagtataca ctatgtcccc taagcttata gtcacgatcc tnccagatgc ataaact 537

<210> 10679
 <211> 598
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125f11a1

<400> 10679

ctcacacca aacctcatgg aaggctctgt caacgaacgt cttgattttg ggaagatggg 60
 atatgggtgc aatcattacc ggagaagatg caggattcgt gtcacctgct gcaacgagat 120
 ctactcatgc cgtcactgtc ataacgacgc tgcgagcttg ttgaagaatc cctttgatcg 180
 ccacgagctc gttcgccaag atgttaaaca agttgtttgt tcagtttgtg aactgagca 240
 acctgttgct caagtttgca caaactgtgg cgtcaaaatg ggagaatact tctgcaacat 300
 ctgcaaattc ttogatgatg atgttgagaa agaacaattt cactgtgatg attgtgggat 360
 ctgcaggggt ggtggtcgag ataattatct cactgcaag aagtgtggat cttgttatgc 420
 aattggtctg cgtgataatc atttgtgtgt ggagaactcc atgcggcatc actgtcccat 480

ttgttacgag tacctttttg attcattgaa agacaccatt gatatgaaat gtggtcacac 540
aatgcaccat gaatgctacg tagagatgat aaaatgcc aatattgtgtg catatgct 598

<210> 10680
<211> 617
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125f11d1

<400> 10680

ataatgatca aaactaacga tcacagttaa ttgcaatgtg cgagaaaaac tacaaggatc 60
aaataatccc gaccaaatta tagagaacca caatggctga caatgcaatc aatcaccag 120
tatcaaatac atcactatta ccagcaattc atgaccggga aaaatgtttt cctctgttta 180
cagtataaag atgttcatac cagcccaata accaagagac aacaatccca ctccatattg 240
tggaggaaga ataacctaag aaaactatct aggacacaat acaccaatca cttttgatgc 300
tcaattaatt caatagccct ctataataat aacagggtgc taactttaat tttctgctga 360
cagttttccc ttcttgaacc caagaatctg gtcattgggg aagaactgga ggcgcaactg 420
cacgagtatt atatgatctg cagtgaccac atttttggcc aagaatgtgg aagtaaactt 480
ctgttggtgc attgcagtca ttacatagta tccaaacctt cctgtttcga taatcttcag 540
gcatgacagt tgcttcaatc tcttcatcaa ttctcttcac gtcttagaca tgtcaatcac 600
tgacttggag catatgg 617

<210> 10681
<211> 531
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220125f12a1

<400> 10681

acttgacaaa tcccaagaat caaaagccca aaacatctat gcattcaaac tcagcatttc 60
aagtagagtc tgagaagggtt agtccattag cgggtggttcg atcaatggtc actgtttgtc 120
tattagggcg agtacccttc tcaccgattg attcttcac cgtgtcaagg aaattggaaa 180

cggatcttac aactatgacg aattgatggg gtccttagaa ggaaatgaag gttttggtcg 240
 agcagattat ttccttgagg gccaggactt tcccagctac atataatgcc cagagaaagc 300
 tgatgaagca taccggaacc aaactcaatg gacgagaatg tcgatattga acacagcaag 360
 ctca 364

<210> 10684
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125g01d1

<400> 10684

cattacaaca tgtatttaga ttcacatttg cgacgaagac cctacattga tacactttaa 60
 catattacct gatgagattt taaaataact ccagaatgaa tttttaatta agagcatggt 120
 acaaaaatat actcatacct atagtcagcc aaaagccgga atgcacaaca tagcctagct 180
 ccaattatat aacaggggac gtaatcaccg cgaaaacatt ggcattttta tcagacgtca 240
 ccccccaaaa ggccttggtta agagaaa 267

<210> 10685
 <211> 337
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220125g02a1

<400> 10685

ggcatcttgt gttgtgtccc tcttttaagc tatttccttc tottaacaca attggttgtg 60
 ccaattgcc tagtcaccaa ccaattaaca aaggtatata tatcatcata tcatcaccaa 120
 atgaaaaata ttgggttgtt ttttcttggt gtgggtggcta cttttgtggt ggcagccaca 180
 gctggttagct ttaccaaga ctttgaaata acgtggggtg gtgagcgtgc caaatctat 240
 gagaatggaa accttctcac actctccctt gacagagcct ctggctctgg ctttcgttcc 300
 aaaaaagagt acttggtcgg aaaaattgac atgcagc 337

<210> 10686
 <211> 374
 <212> DNA

002220125g02a1

<213> Glycine max

<223> Clone ID: jC-gmf102220125g02d1

<400> 10686

ggaataagaa ctccaacaat tttattaatg aaaatgcttt acaatttcgg tacatttacc 60
 ctggcatgaa ttttaactttg cacgctttaa ataacttttag gcacaaacaa tggattaggg 120
 gtcaacaaag ctacaatccc gcattggtaa ccgtttgagt tgcgattaat tgacccaaga 180
 aaggaaatta acggccatgg gaacacctgt gtgtcccgtat tatggggatc attttataat 240
 gatactgcag catctgaatt aaattgttta ttgcctggga gcttttttga ggaaagcctt 300
 gagggaaacg tgtgatatta gcggccttat tgtaaaccct gtaatgctta tgcccccaac 360
 ggatgcttgc ctgc 374

<210> 10687

<211> 307

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125g03a1

<400> 10687

ctcagtcttc atctccaaca agcgttactg tgaccatggc atccaccact ctatccgcta 60
 caacccttc tcagctatgc tcaggaaaga gtgggattgt cagtccctca caggcacttc 120
 ttgtgaagcc agtgaagagg cacatgatgg ggaagagcac gggaatgaga attgcatgcc 180
 aagccaccag cattcctgct gatagagtcc ctgacatggg caaaagacag ctcatgaatc 240
 tgcttcttct tggtgccatc tcactcccct gtgctggaat gcttattccc tacacctact 300
 tttttgt 307

<210> 10688

<211> 432

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125g03d1

<400> 10688

acacggtaaa aagtgaccg ttcaggttcc tttccatgtt agcttcagtt cacaaaatat 60

caatgtgatt aaaaaatata tttatgcatt aatacaaaac agaatgtctg gatttcatgt 120
 ctaaataatatac atgacatcag agggacggct ttaaggagtc taagcccacc atggagcatc 180
 acctgttctg aaatctgttt caacccaagg aacaaacacc accgtcccat catctatatac 240
 acaatgtgct aatgccagag acaagggagc aggtcctctc acaactcttg cttggtcatt 300
 gaactgagat ccatggcaag ggcagatgaa ctggttctct gcttgattcc atgggacgac 360
 gcatccaatg tgagtgcaca cggtattaat tgcgtatgtt cgcaggggtc tggctttctt 420
 cacaacatga ta 432

<210> 10689
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220125g04a1
 <400> 10689

ctccttctcc cgccgcaact cacactgtct tccttctcta gggcttttag ctactccaaa 60
 tgcttcgccc aacatgggtc ttcaaaatga tattgatttg ctaaataccc cggtgagct 120
 tgagaagagg aaacacaagc tcaagcgtct tgttcagtca ccaaactctt tcttcatgga 180
 tgттаagtgc cagggttgct tcaacataac cactgtcttt agccactctc agactgatgc 240
 tgcatgcgga aattgccaga cgtcttcttg ccagccgaca ggcggccggg caaggctaac 300
 cgaggggatgc tcctttagga agaagggaga ctgagtggcg tgccatcttt atttgtctgt 360
 gattggagag tttcagtaat gccttctttt ggtctggtta tggtat 406

<210> 10690
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220125g04d1
 <400> 10690

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 ttttaaagta tacatttacc tgggccccct ggaccggatg gaaggaatga aaaaccccca 120
 aggaggggga aatgatccct aatgtcttgg aaaacatgga acactcacga ctttccaatt 180

gtagaaattt cgggtgcctt atgccaaaca caagagggct tttcctaaaa cttcccttcc 240
 ctggccaaag aactgggctc cccgctaagg gcccttatac tctaaagggg cctcgctccg 300
 gtagcctttc cgggcccgct gattgctggc ccaataa 337

<210> 10691
 <211> 352
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125g05a1

<400> 10691

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 gtacaaaggt tcgtgaacat gctcgctgat ggttacagca aaggaaccgg tttgggcgct 120
 gagattattg gcacctttat tcttgtctac accgtcttct ctgctaccga tcccaagaga 180
 gtagcaagag actcccatgt tcccgtgttg gcaccacttc caattggggt tgcggtgttc 240
 atggttcact tggccaccat ccctatcacc ggcactggca ttaaccacgc tagaagcctt 300
 gggcctgctg tcatattcaa caacgagaaa gcttgggatg acccagtgga tc 352

<210> 10692
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125g05d1

<400> 10692

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 acatgtacgt aacacttaaa aatacataca caaattaaca tgggcatgtc tgttgagatg 120
 gacgtacca caaatatagt aaacataaat taaataaaca tagtgacgag gatatacaga 180
 ttattccaat ccaccatgta taagcaaatt aattaagaac acaattaaat gaagcatgtc 240
 tctcgtagct caaatagctt ggccagaatt acaggtttga ggagctcctg aaagacccta 300
 gagcctttgc tgcttgggcc ctcaacacgg actggtggta gaatgcagca agagcagcac 360
 cgatgaaggg tccaaccag aagatccact ggcatccca agccttctcg ttgctgaata 420
 tgacagcagg cccaaggctt ctagctgggt tgatgccagt gccggtgata gggatggtgg 480

ccaagtgaac catgaacacc gcatacccaa atggaagtgg gtgcaacacg ggaacatggg 540
agtc 544

<210> 10693
<211> 361
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125g06a1
<400> 10693

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aagctgggcc catcagcccc agaagtggga agggtagaca tgaggaagac cgtcaccaag 120
caggtctcct caggaagccc atggtacggc ccagaccgag tcaagtactt gggccattc 180
tctggcgagc ccccgtccta cctaaccggt gagttccag gcgactacgg ctgggacact 240
gctgggcttt tcgcagacc agaaaccttc gtcaagaacc gtgaactcga agtgatccac 300
tccaggtggg ccatgctccg agccttgagc tgcgtcttcc cggagttgct gttccgcacg 360
g 361

<210> 10694
<211> 500
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220125g06d1
<400> 10694

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gtacttcacc aaacacaaat ctaaaaactc tcaaaagtca tttcgttctt tgacgctcac 120
tttccgggga cgaagttggg ggcataggcc caggcgttgc tgttgacagg gtcagcacgg 180
tgatcggcga ggttctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca 240
aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctcagcaaaa 300
gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca 360
gtgacctcac cgagggggcc accagcaata cggtaacctt taacggcacc cattaggata 420
acttgtgtgg cccatatggc gaagatgctc tgggcgtgga tcacgcttgg gttgcccagt 480

agtcgagccc accctcgctg

500

<210> 10695

<211> 508

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220125g07a1

<400> 10695

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cacgcagggtt cccagcacct ccgagattgc gggaatgagc aagtccgaga gcgcaaataa 120
gctctctgag acagatctta gtgctctatt gtctcaattg aaaggactgc aaaagaagaa 180
cacggagttg gaggaagaaa acacaaagat tagtttaaag cttcaaacga tggaaattga 240
taatgagaca atgcacaagc aattaaatga tgtggaacaa aatacagtgc catctctaag 300
gaaagctctg agggatgtcg caatggagaa agatgctgca gnctgttgca cgggaggacc 360
tttcagcaca gctttcgtac cctgaagaaa cgtctcaagg gaagcagaag atgagcaata 420
tcgtgccgag gaagatgcag cagcattgag agcagaattg aactcaattc agcaacagca 480
atgactaata cagttagcac aatttcat 508

<210> 10696

<211> 348

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220125g07d1

<400> 10696

gttattatca aaatcatact ccataaaagg ggtgggcttg tttaaaaatt aatttttagta 60
taaagaatga ccagttttac aaattcacgt ttgggtttta caaggggttc ttatgccgag 120
gttttcccca aaacaaaaca gcttaagaat gaagaacctt ttccaccatt ttctgggcca 180
ttttgttcca atttttccaa actaattacc tcaaaggggt aaaaacaatt ctgggggcct 240
tggaagagcc ttcaaagaag ggcttcacaa tttcaaccgg aatttcatca tgaaactggg 300
catttccatt attggacagc ccacgaggtg gcttgcttca tttttatg 348

002220"ETTES60

<210> 10697
 <211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125g08a1

<400> 10697

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 cacgcaagtt cccagcacct gcgagattgc gggaatgagc aagtccgaga gcgcaaataa 120
 gctctctgag acagatctta gagctctatt gtctcaattg aaaggactgc aaaagaagaa 180
 cacggagttg gaggaagaaa acacaaagat tagtttaaag cttcaaacga tggaaattga 240
 taatgagaca atgcacaagc acttaaataa tgtggaacac aatacagtgc catctctaag 300
 gaaagctctg agggatgtcg caatggagaa agatgctgca gctgttgac gggaggacct 360
 ttcagcacag cttcgtaccc tgaagaaacg tctcaaggga agcacaagat gagcagtatc 420
 gtgccgaaga agatgcagca gcattgagag ccgaattgga ctcaattcag ca 472

<210> 10698
 <211> 489
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125g08d1

<400> 10698

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 gtaatgccct tcattgagga gaatatcaca taaccagatt ggaggcaaag ggaggcagcc 180
 tcttatgctt ttggatctat cttggagggg ccttcacctg acaaattagc tcctcttggt 240
 aaccatgcct taccatttat gcttagtgct ttagtgaagg acccaaacia ccatgtgaaa 300
 gacaccactg cttggactgt gggacgaatg ttcgaatttc ttcacagctc aattggtggt 360
 acaccaatca ttaatgaggg aaattgccaa cagattatta cagttctact tcaaagcatg 420
 aaggatgttc ccaatgttgc tgagaaggcc tgtggtgctc tgtattttct ttgccagggt 480
 tatgaagat 489

tggcatttcc acccc

435

<210> 10701
<211> 103
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125g10a1

<400> 10701

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taggtcttgg ctttagttcc tgtgattagt tttctctgag tgg 103

<210> 10702
<211> 468
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125g10d1

<400> 10702

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aaagtcacta gtgatttaca aaatctgaac cacatatata ttgcaggatt ccatttatgt 120

ttgacactca atcaattcta ggggcttcaa aaaccaccca aagtgtgcca aagtgggttca 180

ttttattcaa caaaggaaga caataatggc cagaaaacac aacaacatgg aaccacatag 240

cagtacactg cacactatat agtaactctg ccacaagtac acacacacaa acacaaagga 300

gtatgtcaag catcatcatg tcctaaaagc gccacaagca ttttctcata gtcaccggtg 360

gtgtccttaa caatagcacg ttcaagaggg aactgtctcc tcctttgata ctcatctgct 420

atgggtttca aatcaacctc agtccttgtg gccaccactc ttgtaagg 468

<210> 10703
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220125g11a1

<400> 10703

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tatagagaga ttcagtgtc catctaagag gcacacctc tccccaaatg aggtatctgt 120
 tacctcatgt ggcagggctt caacaagagc atatcttttg catgatcaac gcccatcttc 180
 tgggtctggc aaacacgtaa accatatatc cgttacgaag aggacatgaa ttacatggag 240
 attcaaagcc accagcccaa gataacagac attataatta acctacatac cgggaaaggc 300
 atggcccaaa cttgcattat gagtatcacc ctgttggtc atatgatgat ggcaaatcac 360
 acatctttgc acgacctaaa actggtaatc atggcggcgg cagatttagg gacagaggtc 420
 caactcactc acgcttaagc gcggggaact cttatggact ccgngtggat ttgaagcttt 480
 tgatta 486

<210> 10704
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220125g11d1
 <400> 10704

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 ggaacttgat aactagcaa gagaacaatc gaccgaaagg aactttccta ccaacaactc 180
 acaaaatcgg ggactccata tttgtcatcc cctgccctac tgaactcatt gtgatccac 240
 tgacagtgc aggagcaccg atgagggag gatggtattc caacggaaga cacactgaac 300
 cgtcgcaagg aagtctattg gtacggagag actcggctgt tactcaagga gtataaaacc 360
 acccgcgat gctaattatc tgccacaacg taaggctagt gg 402

<210> 10705
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220125g12a1
 <400> 10705

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 catacctata atctatgggc cagttactta ctacaccata ttaccaagac tagctgcgca 120

cttgacttgt cag

313

<210> 10708

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125h01d1

<400> 10708

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 tgttttataa agtaagaaag taagtttgca agatacttta attcaaatca tcaaatgaaa 120
 tataataaca aagtttgaag aaagccaacc ttcaagtcag acaagaataa gaattttcat 180
 cctttgaaac tggctcgcac caccaagttc atatcttcca gtgtggctct atccttccat 240
 ccaccagcct cattcaacgc caaaattctc catactccat ccaccagcct cattcagcgc 300
 caaaattctc catactcccg cagttcctcg tgtatttaca agagtacaaa agaaattggc 360
 ttaatctttt gttttcataa aagagctagc ttccactatt gcacaaaaat ccatgttttt 420
 tttcaaaaaa ttaaggaaaa tggaactatt ggatctcgat tttttaaatt gtccaagtga 480
 aaatatttgt catgcatatt acttgtgaaa tc 512

<210> 10709

<211> 365

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125h02a1

<400> 10709

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 gcagtttgct ggtattgatg atgttttcac ctctccagg ggatccacca agacccttg 180
 caacttcgtt aaggctactt ttgattgctt gatgaaaacc tatggattcc tgacaccaga 240
 attctggaag gagactcgct tcttcaaata tccattccaa gactacacag atctattggc 300
 aaaaccaaca gggaagactc taatcttga ggaggaaagg gtggatgctt gatttgctag 360
 ttttg 365

<210> 10710
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h02d1

<400> 10710

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 accaccgtct atcaaaacca aaagtgaagc acagaaccaa caaaggtaaa taacaatgtc 120
 tctaaaacat ccataaaacc aaaactagca aatcaagcat ccaccctttc ctctccaag 180
 attagagtct tccctgttgg ctttgccaat agatctgcgt actcttgga tggagatttg 240
 gagaagcgag tctccttcca gaattctggt gtcaggaatc cataggtttt catcaagcaa 300
 tcaaaagtag ccttaacgaa gttgccaagg gtcttgagg atcccctgga ggaggtgaaa 360
 acatcatcaa taccagcaaa ctgcagcacc ttcttgggaa ccctagccgt cacaatcccg 420
 gaacccttag gcgcgggaac catgctaacg gtaacggacc cacactatcc ggtaccttgc 480
 acggaacggt gtggggcttt cca 503

<210> 10711
 <211> 316
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h03a1

<400> 10711

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 ctagggaaca gacacgacga ggccggaggat gacgaatagt acgggaacga cgattgcatg 180
 cccggaagcg ccccggcagc atgatcagag ccacgagagg gcaagacact gttaatgaga 240
 ctggatggtg aagttgccat ctcaattcac tgtggcgga taggtataca ttacacgtaa 300
 tcagtgggac gctcaa 316

<210> 10712
 <211> 410

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h03d1

<400> 10712

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 ctaggtatcc atgacactcc cagggactgt tttaaggagt ctaaaccctc catggcgctt 180
 ggaacgacct gaaaatcgtt tgaccacaca gaacgaagac ggccttatca ttatttatac 240
 cacagagtgc taatgccaac cacatcgggg cagggcctct cagcaccctg ccttggtcat 300
 tgaaccgaga tccacaggat gggcaccttg actcgaagaa cgctcggttt tatggcccca 360
 tgcacccctg ctgagtgcac gcagtccttg tcgggtaggt cgcaagggat 410

<210> 10713
 <211> 394
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h04a1

<400> 10713

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 caatattgcc agacaataat ggggtctctct atggtgatct caagcgaatt tgtgaaactg 120
 accttggtt aatttcacaa tgctgtctga caaagcatgt cttcaaaatc actaaacagt 180
 acctggctaa tgtgtctctg aagatcaatg tgaagatggg aggtagaaac actgtacttc 240
 ttgatgctgt aagctgcaga ataccattgg ttagtgacat accaaccata atttttggag 300
 cagatgtaac ccaccagaa aatggagaag actcgagccc ttcaatagca gctgtagtag 360
 catccaaga ctggcccgaa gtgacaaaat atgc 394

<210> 10714
 <211> 583
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h04d1

<400> 10714

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 ctaaatttga catctatata gaatctaata gtacttgtag gaattcattc taagctatgc 120
 ctcaagaact gtaatcatgg atttatcaca ggaaacctac acgactaatg tacaaagtaa 180
 tgtgagctga acattgcatt ccatgattgt tticacttac ctaccatggt gatgcttgcc 240
 ctatatatct atcattccac caaggccaag tcaactagcag tctaacagta aaacatgacc 300
 ctcttcacat tttctttcaa gtctggcaat ggcttgacac tataatcacc agctgctcgt 360
 attgctttgg caccataacc attgccatca cctgcagagc cattgtcttg catatctggc 420
 tccatataga aacgtgctcg aaacgtgct aaatgtgcat aatatgctgg aggaacaact 480
 gatactgagc gcgtacacct ggcatatgta taacaaagat tgtttgtcag agactgaatt 540
 ccatctgctg tgaaagttgt ttcattccaca ggacatgata atg 583

<210> 10715
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125h05a1
 <400> 10715

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 caccttttgc gtttcttgcg attcgacgat ggccgatcaa aagctttcag aaccggcgct 120
 taaacgtgag cagcttgatg aattcgtgtc tatattttga acaacgaatt cttgaactcc 180
 gacttcttca agacctcgag aacaatgatg aatgtaggaa aaatgggagc ctgaaaaggt 240
 taaatgacca gagtgatgtc tggggattaa gaagctgctt caaaaatcat tatgattcgc 300
 ttccgaatca gaggtgcttg gagaatcgag aagaagtgat tcacgagacg atggaaagtg 360
 gagttggaaa atatgatgga actgggcacc cttaatggcc agaaaacata ttctttaaga 420
 atg 423

<210> 10716
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125h05d1

<400> 10716

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 aagtaaaatc gaacagcatt acctcagagc actgccctga aagtagaaca cctattaatt 180
 actgacaaac taaaacagaa acactagcaa tcgggaaagt gcatgttaga cagcaagagt 240
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 gctgcttttc cttgagcaga gatgccacac catcagaagg attccgaata ttggaaggca 360
 tagtgtagtg agtgattgag aagatctgac aagcagccaa ataccccaaa ataaaagaat 420
 ggcaactcacc aaacgagaaa atggtgcacc aataacaatc attgctgcaa cagcccaaac 480
 aaacaccatg aaac 494

<210> 10717

<211> 370

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125h06a1

<400> 10717

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 tactgaagat ccagaaaatg gtaatgatag gaatgatggc tctgatcctg ctgaggggaat 180
 gcctggattt cagaatgtct tgaaagatat gatccctggg gtaaaggatga aggtattcaa 240
 ggtgataact ccagagaaaag tagacaagga tctatcta atgtgattgaga agataattga 300
 ggaccaagac cgagacgaag acgaagatga agagatggaa aatgatgcat aaagtctaga 360
 actggaagag 370

<210> 10718

<211> 435

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220125h06d1

<400> 10718

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 atttttctta taaattagga acaatgtaca aagttgatga agataccctg aacactacac 120
 ctccataaaa tgtcgaatga agagactagt acattgtgct ttagtgctga tattatgaat 180
 ccctcttcaa tctatagtta gtcaagctac agctaccaag cctaagatac ctcggtcatt 240
 tgagttctag acaagcagcc aaatgctcaa cctatgctac tcggcagaaa gctagtagtg 300
 aagatctttt aaagctcaaa tggaaaccct gtattgattg gtgatatctt ccattgaagc 360
 acaatttagc attcaacaaa acctagaacg ctgagaatct gaagaaagaa ttacaagtct 420
 ctgatattat gaaca 435

<210> 10719
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220125h07a1
 <400> 10719

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 gctcataac acagggtctaa gctatgtttt gtgtaaacaa cttgcgatta tacatgtatt 120
 tgggtatttct agctatacat attatctgct ggaaagtgga tagtagttga aagatgggcc 180
 gggaaaggaa tgcctcaatt caatatgtaa atcttgttga tgcttccttg ggtgaaattc 240
 atttgctcga acccaaaaat atgcttaata tcttttaatt gtaattgata aaatgcttcc 300
 tctttttttc ttgttccttt tgggtaggag cctaggaggt aacttgtgag ctgaaagctg 360
 ttagacatgg gaaaaatatg tttcttcaac tcaactgctct tagttcacia ggaaantcat 420
 atgttggtga tacatctgct gggctctaaa acat 454

<210> 10720
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220125h07d1
 <400> 10720

002230"ETTES60

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gagcaagttg ttacaaaaag ggtcactgag atgttttctg aagttctcaa ctggaccttc 180
tccagtgaca tatgcttgga agtagaaacc aagcattgca aacatagcta gtctaccatt 240
cttaatttcc ttcaccttta gaagtgcagc ttggtctgga tcttttgcta gtcccaatgg 300
gtcgaatgga ccaccggat gaagcttgtc ttccaagtcc aggccattaa taattctgta 360
gtactcagca ccaccacaa gaactatctc agcatcaaca gcaagaataa gattgatggg 420
gataggtttc ccgaagtagt tcaatgtacc cccattaaga gcaaagctcc agtctgcatt 480
gattccatga agagctc 497

<210> 10721
<211> 544
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220125h08a1

<400> 10721
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tggtatttct agctatacat attatctgct ggaaagtgga tagtagttga aagatgggcc 180
gggaaaggaa tgcctcaatt caatatgtaa atcttggtga tgcttccttg ggtgaaattc 240
atttgctcga acccaaaaat atgcttaata tcttttaatt gtaattgata aaatgcttcc 300
tcttttttct ttgttccttt tgggtaggag cctaggaggt aattgctgag tgaaagctgt 360
tagacatggg aaaaatatgt ttcttcaact cactgctctt agttcacaag gaaatcatat 420
tgttgtgtat aaatttgcac ggggtctaaa aacattttcc aaacttcacc ttgccttaac 480
aaactgtaaa atttgaaaaa gtntctgatg cttagctaca gcctgctagg agcatttctg 540
tgat 544

<210> 10722
<211> 532
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220125h08d1

<400> 10722

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ttaagagtgg agaagagcat aaagatgatt gatttacaga gttggagccc tctcagcgga  120
gccagcaatc acagtgagca agttgttacc aaaagggcca ctgagatggt ttgctaagtt  180
ctcaactgga ctttctccag tgacatatgc ttggaagtag aaaccaagca ttgcaaakat  240
agctagtcta ccattcttaa tttccttcac ctttagaagt gcagcttggc ctggatcctt  300
tgctagtccc aatgggtcga atggaccacc cggatgaagc tcgtcttcca agtccaggcc  360
attaataatt ctgtagtact cagcaccacc cacaagaact atctcagcaa caactgctag  420
aataagattg atggggatag gtttcccgaa gtagttcaat gtacccccat caagaagcaa  480
agctccagtc tgcattgatt ccatgaagag ctcaatggta acaatacaat tc          532

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<210> 10723

<211> 596

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220125h09a1

<400> 10723

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gtgtagccac acccacttcc ccagagtccc caaatcggc acccttgcca gaccaaggc  120
aaaccaaggt tctccttccg aagaagaagc ctcagaaatg gtccaccggg gtggctcccg  180
gggagtacgg tggccctccc accaccacca aactccgcaa atactggggc ggcgatgacg  240
aagacccttt ggcctctgat gactatatgt ggaacatgga gtttatgggt cgcttccaaa  300
agttgattga ggaaccaat gctcaacccc ctctgcaaa ggaagagcct tcagggtttc  360
taagcttaaa tagagtcatg agcctggaca gttgngaagt tgatttgagc aaagaactcg  420
cagtcctgt aaatcataat gcacacctgc aaattgatgc agaactaatg tgacaggaag  480
catagggtaa gatataaatc agcaccacac gtcgtgagca agaaaatggg atagagctac  540
caaggccgca actggaggca gtgatgtgat gttccgggaa aataggcagt ctctgtg    596

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<210> 10724
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h09d1

<400> 10724

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 aaacataaat ccaaccatat gttcaatatg cgggatagaa aaacccaaat ataatgacat 120
 ggcacccctt cactgcaccc ctaatatctt tcaggtcttt cttgcagcta cagggattgc 180
 ctcctttata gctggagcaa aaggtgcaat cctgtatgtg aaaaaaccta ctatcatggg 240
 tatcaagcct aagcgcatat acccaaagcc tggaaccagg atcgcatctc accggttata 300
 gaccatgacc aaaacaccag gaaccagtta tcttggtgc ccaactgctc ccttgacaaa 360
 tccctttgca ccatcaatgc ttagcgagta cagctactt cccagcatac gaatatactc 420
 caaagaacca agaaagccag caccaaagct cgctgcaatc tcaggggaac tagacacatg 480
 tgctgaaacc agaccaaca 499

<210> 10725
 <211> 520
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h10a1

<400> 10725

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 aaactcaaga tctccttccg aagaagaagc ctcataaatg gtccaccaga gtggctcccg 180
 gagagtacgg cggccctgcc accaccacca aactccgcac atactggtgc ggcgacgacg 240
 aagaccctta gggctctgat gactatatgt gcaacatgga gtgtatgggt cgcttgcaaa 300
 agtagattga agaaccfaat gctcaacca ctactgcaa ggaagatcct tcaagggctc 360
 taagcttaaa tagactcatg agcctggaca gatcggaagc tgaattgagc ccagaacttg 420
 cagcttcttg taatcatact gcacacctgc caactgatgc aataactaatg tgacaagaag 480

catagggttaa gatctaaatc agcaccaaca cgt.cgtgagc

520

<210> 10726
<211> 381
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125h10d1

<400> 10726

aagaccaa atctggatat tataatcaat aatccaagtg tggaaaatca taaatacaat 60
tatatgttca atatgtggga gagaaaaacc caaatataat gacatggcat cctgccactc 120
cacccta atcttcaag cctttcttgt cgctacagca attgcctcct ctatagcttg 180
agcaaaagt gcaatcttgt atgtgaaaaa acctactagc attggtatca attctaagcg 240
cattgatcca aattgtggaa ccataatcgt atcccagcgg atatagacca tgacccaaac 300
atgtggatcc aggaatcttg gctgccaat agctcccttg acaaatgcct ttgcaccatc 360
aggccttagc cagttcacgc t 381

<210> 10727
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220125h11a1

<400> 10727

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aagttctctg ctagaaaaga aaaagactag ttagttaggc tttcatgcaa agaacagagt 120
tctcccaa acattcaatca aacatggctt taccagccaa tgaaacctcc atggcagaaa 180
ggtctcagt ggtgctcaat gctcctgctc ccccatccac gtggcacaac ctcatggctt 240
ctgtgaggaa cacaatttca tcgtaccaa aaatgtgtac ttatataaga ggccaacctg 300
gacccaaagt tgtgctttcc ttcttgcgga gcatttttcc tattcttcat tggggctgta 360
attattcacc aaccaaattc agaaacgact tacttgcaag tcttaccatt gcaagtctct 420
gcattcctca gagcattggg tatgccactt tagcaaagct tgatcctgaa tatggactct 480
atacgagtgt ggtgccacct cttatctatg ctctaattggg aacttcatga gaaa 534

<210> 10728
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h11d1

<400> 10728

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 caaattccac tttgtgagtg gctaaacagg aatgcgaaga cttattgctc tgtcccagaa 120
 ctatattgca catgaagtac tccggggcag gaaatctaaa cacacaaaag aagcatcata 180
 catgagtaaa attttacaac attccaattc aaaccagcca tgaaaagcta agattttatt 240
 tccacacacg agttctatta acaaagacag aggtacaaca ctcggttcaa tccgtagcaa 300
 ttcagaaatc cagcttgacg tcaatagctt ctccaatagt caagaagacc cttcctccaa 360
 ttcttgtgac aaagtgggtc gccttttagct tataaatcac ttgccaacga ggattggcaa 420
 ttgctagatg cttcccactt gagaccaaac tcttgtgcag ttcctcaaga gaagcaattc 480
 ctgaggtgtc aatgctcacc aaattagagg tgtcaaggat tacgagctga attatgcttc 540

<210> 10729
 <211> 468
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220125h12a1

<400> 10729

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 actctgaaca agtccattgg aaatggcgtc gagttcctca accgccacct ttcggccaag 120
 ctcttccatg acaaggagag catgcagcca ctgcttgagt tctcagggt tcacagttat 180
 aagggaaaga ccatgatgtt gaatgacaaa gttcaaagcc tggattctct ccaacatgtt 240
 ttgagaaaag cagaagagta tctgatttca gttgctcctg aaacacccta ctcggaattc 300
 gagaacagat tccggggagat tggctctggag agggggctgg ggtgacactg ccgagcgtgt 360
 cctcgagatg atccagcttc tgctggacct tcttgaggca cctgaccctt gcaccctcga 420
 gacattcctt ggaagagtcc ctatggtctt caatgctgtt atcctttc 468

[illegible]

<400> 10730

<210>	10731
<211>	478
<212>	DNA
<213>	Glycine max

<400> 10731

<210>	10732
<211>	688

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126a01d1

<400> 10732

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nnnnnnnnnn nnnnnnnngg ggnngggggn nnnnnnnnnn nnnnnnnnnn nngngngngng 180
gnngcgaaga aaatatacag gaaacatgac aaaattcaca aacttttact tagacaagag 240
aaagataaca ccaataataa gctaaactca gacgactcct tccaacaatt gaaacaacaa 300
tccaccacac taaagttctt ttggtatcat cacagtatat ggcaagtttc ttctgtatcc 360
ccaggaatag ccaatatatg atttacatat gcatttcaaa acaaaggaat ttaacggttg 420
atgattttca tgaatgcatg atgatttttg acctacgaaa ccaactgaca tgtaaaaaaa 480
tgcataatgc taggatgtaa tctttcccat cctgggtcaa caatcacaat cgatccccag 540
cctagaaaag caagtatgga gaaaaaaaat tatatggatg accaacagcc taggagcaat 600
tatacacaat aggatgatca aaacaatgat tttgatgcag gttaaaagtc agaagaagaa 660
aaaaaggaag agattcactc taaataaa 688

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<210> 10733
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126a02a1

<400> 10733

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ggtacatgcc ttggtttagt tgcccgtagt gttggagatg atattgtgcc gctggtaatg 120
cccttcattg aggagaatat cacaaaacca gattggaggc aaagggaggc agcctcttat 180
gcttttggat ctatcttggg ggggccttca cctgacaaat tagctcctct tgttaaccat 240
gccttaccat ttatgcttag tgcttttagt aaggacccaa acaaccatgt gaaagacacc 300
actgcttggg ctttgggacg aatgttcgaa tttcttcaca gttcaattgt tggtagacca 360

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atcattaatg agggaaattg ccaacagatt attacagttc tccttcaaag catgaangat 420
gttcccaatg ttgctgagaa agcctgtggt gctctgtatt ttc 463

<210> 10734
<211> 598
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220126a02d1

<400> 10734

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nnnnntnnn nnnnnnnnnn nnnnnnnnnn ngggnnnnng nntntttttt tttttttct 180
ntntgattga ttcacgtttc ctaataaaat atacaggaaa catgacaaaa ttcacaaact 240
tttacttaga caagagaaaag ataacaccaa taataagcta aactcagacg actccttcca 300
acaattgaaa caacaatcca ccacactaaa gttcttttgg tatcatcaca gtatatggca 360
agttttcttct gtatccccag gaatagccaa tatatgattt acatatgcat ttcaaaacaa 420
aggaatttaa cggttgatga ttttcatgaa tgcattgatga tttttgacct acgaaaccaa 480
ctgacatgta aaaaaatgca taatgctagg atgtaatctt tcccatcctg ggtcaacaat 540
cacaatcgat ccccgacctt taaaagcaag tatggagaaa aaaaattata tggatgac 598

<210> 10735
<211> 564
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220126a03a1

<400> 10735

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tgttttaact actatgccga gcttgacagaa ggattggacg caaagcaaaa tgctcctgta 120
tcccttccta tggaaacctt caagagttat gttctcaagg agcccatcgg agttgttgca 180
ttaattactc catggaacta tcctctattg atggctacat ggaaagttgc tcctgctcta 240

gctgctggtt gtacagcaat attgaagcca tctgaattgg catctgtgac ctgtttggag 300
 ctggctgaaa tatgcagaga agttggcctt cctcaggggt attaaacatt gttactggat 360
 taggcaatga agctggtgct cctttgtcat ctcatcctga cgtagacaag atttccttta 420
 ctggaagctc tgcaactgga agcaggatta tgacagctgc agcacagcta acgaagcctg 480
 tttctctaga gcttgggtgga aaaagcccaa tcattgcttc tgaggattgt gaccttgata 540
 agactgctga atggaccatc tttg 564

<210> 10736
 <211> 573
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126a03d1
 <400> 10736

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 aaanaccgaa aatngagaaa aagggtaaat gaaaaaaaaa aagaaaaaaaaa gttttttttt 120
 ttttaataan aatgatatat ttaatcgggg ggggggggttt ttttatattt atatttttta 180
 taaccctccc atcctctttt tatgaacaaa tttttttgga agcctcattt cccatgatat 240
 gataaaattc caacaaaaat tctgataaac ataactgggc aaaaatgaag gaatgccctt 300
 tgaccaaaaa ccataacctt atgtcgggtt ttcaggggag gacattccac ctgataagtc 360
 caaattgcc aaccaagatg tattccaacc ctttgggact atagctcttc tatctccaat 420
 tcaaattttt aactcttctg accaggggtg aatgggcttt taaatgcaaa attcttttcc 480
 caaactttta gtgaggctgc ccagggggc tcggtagcat tggtgaacaa aaacaaccta 540
 ccacctccat agattgcctt tggttgaaaa acc 573

<210> 10737
 <211> 79
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126a04a1
 <400> 10737

agaacccggg acccacacca cattttgatt gccagtggct aacatctcaa tcgtggctcct 60

ccgagtcctc cgtgctttc

79

<210> 10738
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126a04d1

<400> 10738

acgccatccg ttgcctannn ttgatnctc atgnccaagg atttgngtng taagagccaa 60
agaccgagta gntggaatta aggtgaccat gaccnaattc tctccccccc attttttctt 120
tcttcttcat cctcttttcc tttggggggg ggttattttc ctctcccctc tcttgcccct 180
ccccctgctg cctaattact cctttttttc tcaaatcaaa ctcaaccggc aaagttatac 240
ccctgaatct ttcctcgcaa catctacttc tgaacctacc cttgcaacag ggtttgccga 300
gacccatgct tctctatccc ac 322

<210> 10739
<211> 88
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126a05a1

<400> 10739

agaaccctca tctctcctca cgcttggaact gtgtaagccg ttcattggcaa tctttgtgga 60
ccgaggctc agtcctttcc cagagcga 88

<210> 10740
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126a05d1

<400> 10740

gaacaaaaga tggggggggc cttcnntcg atggcgagnn cnngggtaaa atntccggca 60
agaccagct actaatagga ggccgggctc acccttcnat ttcgcatttt tttttttgt 120

aacttcttat aaaactaaga ggagggggta ttttatccta ccctttaaaa gtcccaccaa 180
 attttgaaaa aacacctcgt tgctttacac atgaaaataa aattgcaaac ttaaacacca 240
 aaatatttcg ttttaaggatg caatgctgcc cattccctcc acaacgggtc cgcggtgacc 300
 caatgtccac atcccactga acaagccata agctgcatt caccaccatg aagagagtgt 360
 tcaacttctg cccccgtttt ttctatccct gcttatataa gttagtgaag caggggaatgg 420
 ttaattgatt cctgcaccga aaacacttgc aggaacaaaa cttgagcgt 470

<210> 10741
 <211> 92
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126a06a1
 <400> 10741

agaaccctga tcacccaga catacggacc gttccagccg tgcattggcaa tcagtgggca 60
 cagaggcgtc tgcctctcc aagagctgtt tg 92

<210> 10742
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126a06d1
 <400> 10742

gaaaangagg ggctccatta tctatncnag gncggttaa atataagagc aagacaggca 60
 agtaatcaag gtccagggca aacctaccct acccacttt ttttttttca gacttcctaa 120
 acatccttgg ggaaggggtc ctttatccaa ccctttccaa tccccaccta cttctgaaaa 180
 aacacctttt ttcttcaac atcaaaataa acctgcaaac ttaaacacca aaatcttccc 240
 tttcagaatt aactgctgcc cattccctcc aatacgggtc cccgtgtaac ccactgatca 300
 ctatcccaca tgaacaactc cataaaactt tcattcacca ccatgacgag cgtagttcaa 360
 agctctgccc tcatcttttc tatcctgct tctatcacca tgtgaaacag ggaatggctc 420
 atcgattcca tgaccaaaaa cactcacagc ctcaa 455

<210> 10743
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a07a1

<400> 10743

agaaccctga tcaactccata catattgaat gttcgagccg tgcattgtcag ccagtgggca 60
 cagaggtgtc tgtccagtcc atcagctggt gggtaaggac gtggatgatg aaacacctcg 120
 ttcgctcgta accctggcac tggacttgcc tactgatgaa gattcaagaa cggttgctgc 180
 taagatcctg aactgtcacg cgccgccccaa actatgatat caagcttccc atgctcatta 240
 ctagattgct aaggctgatt tggctctagg tcttacagac ggact 285

<210> 10744
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126a07d1

<400> 10744

gaaaaagtgc gggatcgcg tgcgtagcagg caagatangt taaatccaaa gcccaaata 60
 tttctgggtt taacctttcc acctccaaat ttttttattt agctacactc acttccctca 120
 tggggggggg ggatttttat ctataaatgc ctacccctc ttgctaaaac aatcttttct 180
 ttgtcaaag aaactaaacc ggcaaagtaa aacaataaaa tcttcccctt gcaaaatttt 240
 attctgaaca tacctttgaa aacgggggtg 270

<210> 10745
 <211> 340
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a08a1

<400> 10745

gggtcaaccg tgacgcctca atcgctcttg cgcgtttcaa tctccttcga cttctttgca 60
 acgggatcag gtgctcgtcc ttcacgatgg cgggaactga agcataaaaa actgaatcca 120

aaaaacctgc cgctaagcaa tccggtggga agaagaagga ggtgaagaag gagactggct 180
 taggtctcac gcatcggaag goggagaact tccgagagtg gtattccgag gttgttggtta 240
 atgccgaaat gattgaatac tatgatattt cccggttgcta tattctgagg ccttgggtcaa 300
 tggcaatatg ggaagaacat gcaagagttt ttcgatccccg 340

<210> 10746
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126a09a1
 <400> 10746

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 attgataagg gtgtggctca tgagtctgtt ggagtaaaac cagccacctt ggttccaaag 120
 gaaatccctg tgataaaaaa gaaccatgtc ttaaagataa acattgttcc caaagcaaca 180
 gtgaaagaac ataaagatga tgacacaaca catgagttac atgagccaga aaaagatggt 240
 ccggatccta acaaattttt gactccagat gaattggaga gaggaaagt gacctctgag 300
 gaaatcttat cccttccaat gtttaagaac tatacagctg gaaatcctgc tcctgtgttg 360
 tatattaaga atttggtcaa gatgtgattg ctgatgattt ctattttata tttgggtcct 420
 ttgttggaag aattgatgct gctaagtctg gtctttaagt caaactga 468

<210> 10747
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126a10a1
 <400> 10747

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 ggctagtggc actgctgcaa gtgcaactcc aagaagcgca gtgccaagcc accatgtttc 120
 aacattcaac agaagccttt ttccttcac tttctctttt ggaattgggtt cttctgctta 180
 ccaggcagaa ggagcagcaa gtgtagatgg gagaggacca agcatatggg acacctacac 240
 tagacagcat actgaaaaga tttgggatca tagcaccggt gacatgggag ctgattttta 300

tcacgatac aagggtgaca taaaaatagc gaaagaaatt gggctggact ctttcagatt 360
 ctctatctca tgggtcaagaa tattcccaaa gggcaaggga gcagttaacc cccttgggggt 420
 taaattctac aacaatgtca tcgatgagat cctagcaaatt ggtttaaaac ttttgtcact 480
 cttttcatt 489

<210> 10748
 <211> 195
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126a10d1

<400> 10748
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 cttaaactac aaccaactct tctttgaatt gatgctcagg ttatagaaga ccttatagga 120
 ctaaccgaga cagncctcat acttgaaaac attgacagga tcaacaatac atgcacatac 180
 ttaaccttta ttccc 195

<210> 10749
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a11a1

<400> 10749
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 ctaaccttgt tgacctagaa ttagcacctg ccgaccctt tgtattatct caactactac 120
 gtgggcttac aatgcagatt agcatgaaca accacctccg tgcgagttat gcatccaacg 180
 taccttgctc tgctgtgagg aagccctcat cttctggggt tgactaatcc tctgatgtgg 240
 caactgcaac gacgaattcc aggtccatcg cttttgcaa gcaagccaa agcttcatcg 300
 atcgtggagc tgctgcaacc caccaccata ttggtgggat gtctgactcc tccaaccctt 360
 cctgcttgggt gtactctacc cttccatggg ggagttcccc taccggaaaa ccggattgtg 420
 gacgcaatgg acatgaactg aacaagctga tgaaatctgc tatcttt 467

<210> 10750
 <211> 371
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a11d1

<400> 10750

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 ctccaagctt ctaattctaa agcttgctgg caaaatacta gggaaaatag ctatgatata 180
 aaatctacat ctttctggta tccttctctaa acatatgcaa gcagcccca aa agagagagag 240
 acatatgcgc caaatgttaa catgaacggc gaaggatccc ggctaagcaa ctacagcatct 300
 aatataaaga ggaatttgga tccaagcttg cagaaaggcc cgccttagga ggactcccag 360
 caaaatctct t 371

<210> 10751
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126a12a1

<400> 10751

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 ttctggctct ttgggaagat gctgtactag tcgtggcat gcgtggcaac ctcatTTTTcc 120
 ctggtgggac atattacatt atgccgttaa catggggcgc tgtgggtggc ggactgaaac 180
 tacgccggac aggaaactca tactgtgcag ctactgtttt tcaagattac tgaaaaatct 240
 ttctggcac accacccaaa gacagcatac ctgtgataag ccctggaatc atctttacag 300
 gtactggact tgaaatcctg ttcgcagagg aagcttattg tgctgaatcc ttcaaatggg 360
 tggcgtttgt ggacattgaa attca 385

<210> 10752
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126a12d1

<400> 10752

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ttataggttt ggagagaaaa ccgcaaccac gacgccgacc tttttttcat agtttcatca 180
gcaggggcct tggcagcaac ccaaacgaaa acccctccag gctttcaaaa caagaccctg 240
gtggcaaaga actaaggaaa agagctgtgc tgccccaggg gcacacttga ggggatctca 300
ctaga 305
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<210> 10753
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126b01a1

<400> 10753

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ggtacatgcc ttggtttagt tgcccgtact gttggagatg atattgtgcc gctggtaatg 120
cccttcattg aggagaatat cacaaaacca gattggaggc aaagggaggc agcctcttat 180
gcttttggat ctatcttga ggggccttca cctgacaaat tagctcctct tgtaaacat 240
gccttaccat ttatgcttag tgcttttagt aaggaccaa acaaccatgt gaaagacacc 300
actgcttga ctttgggacg aatgttcgaa tttcttcaca gttcaattgt tggtaacca 360
atcattaatg agggaaattg ccaacagatt attacagttc tccttcaaag catgaaggat 420
gtntccaatg ttgctgagaa ggccgtggtt gctctgtatt ttcttgccca ggttatg 477
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<210> 10754
 <211> 565
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126b01d1

<400> 10754

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 nncgggggnnn ngnnnnnnntn nnnnnngggg ttgttaaact ggcaatgaaa gtggccaaac 120
 aacgtgatac aattttatct tagtaacaaa aagaaagatt cacgtcacca aataaaatat 180
 acaggaaaca tgacaaaatt cacaaacttt tacttagaca agagaaagat aacaccaata 240
 ataagctaaa ctcagacgac tccttccaac aattgaaaca acaatccacc aactaaagt 300
 tcttttggtg tcatcacagt atatggcaag tttcttctgt atccccagga atagccaata 360
 tatgatttac atatgcattt caaaacaaag gaatttaacg gttgatgatt ttcatgaatg 420
 catgatgatt tttgacctac gaaaccaact gacatgtaaa aaaatgcata atgctaggat 480
 gtaatctttc ccatcctggg tcaacaatca caatcgatcc ccagcctaga aaagcaagta 540
 tggagaaaaa aaattatatg gatga 565

<210> 10755
 <211> 561
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126b02a1
 <400> 10755

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 caatggcagg tggtagatgc cttgggttag ttgcccgtac tgttgagat gatattgtgc 120
 cgctggtaat gcccttcatt gaggagaata tcacaaaacc agattggagg caaagggagg 180
 cagcctctta tgcttttgga tctatcttgg aggggccttc acctgacaaa ttagctcctc 240
 ttgttaacca tgccttacca tttatgctta gtgcttagt gaaggacca aacaaccatg 300
 tgaaagacac cactgcttgg actttgggac gaatgttga atttcttcac agttcaattg 360
 ttggtacacc aatcattaat gagggaaact gccatcagat tattacagtt cttcttcaag 420
 catgaaggat gttncaaaat gtgctgagaa gcctgtggtg ctctgtatct tcttgccagg 480
 gtactgagat tgtggacaac atcnntcgta ctcentgttt caggaaatgt tcaatccttc 540
 tactgtacca cagagagatg c 561

<210> 10756

0953113.032200

<211> 652
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220126b02d1

<400> 10756

atgccggtcg atccgaatcn gctnagcnaa nncnnnnnt nnnntntnnn nnnccnnnnn 60
ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntttt nntttttntn 120
nnnnntnntt ntttgggggg ggtttttttt tttttttttt ttnttttttt tttgtttggt 180
ttttttattt tcaggaaaca tgacaaaatt cacaaacttt tacttagaca agagaaagat 240
aacaccaata ataagctaaa ctgagacgac tccttccaac aattgaaaca acaatccacc 300
acactaaagt tcttttggtg tcatcacagt atatggcaag tttcttctgt atccccagga 360
atagccaata tatgatttac atatgcattt caaaacaaag gaatttaacg gttgatgatt 420
ttcatgaatg catgatgatt tttgacctac gaaaccaact gacatgtaa aaaatgcata 480
atgctaggat gtaatctttc ccatcctggg tcaacaatca caatcgatcc ccagcctaga 540
aaagcaagta tggagaaaaa aaattatatg gatgaccaac agcctaggag caattataca 600
caataggatg atcaaaacaa tgattttgat gcaggtttaa agtcagaaga ag 652

<210> 10757
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220126b03a1

<400> 10757

agaaccctga acacactaga catacagact gtgagagact aacatgttaa ccattaggca 60
cagatatgtc tgtgctgtcc aagagctgat cgatatagaa gaacgatgat gaaataacac 120
gttcagccga agacgagaca ctggatgagc ctaataccga agaagtaaga aaggctgctg 180
ttaagaacgt gagcgaacat gagccgcgca aggcttgtga tcaggcgacc gatgctgaag 240
cctagattgc tcaggatgat tcggctcta 269

<210> 10758
<211> 410

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126b03d1

<400> 10758
 agcaacaatg gcgttctata cgntcgttcc aaagcaagat aaaaataaaa accaataccc 60
 acccacgtat acactactcc ctaaacttca ctctaactct tacatttttaa attttatcta 120
 tccaacactc tctccacact ggggggagggg gggtcatatt cacctaccac cccctcct 180
 cttaacttaa ttaaccacca cttaatctct tttccaaaaa taaaaaaciaa ccgtaaaccc 240
 ctacgcatgt attaattctc aaaacactca ccctcccca agaaaaaaaa accaaaaaag 300
 cctaaacttc ctaaacctgg gaaacaaacc aactcccaa acccaaataa tcaaacttcc 360
 aaattgagcc acggccaaga cccatcttat caaaacttc aactttaccc 410

<210> 10759
 <211> 112
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126b04a1

<400> 10759
 agaaccctgt tccctccaca catttgacc cttttagccg ttcattgtcaa tctgtgggca 60
 ccgtggcttc tgtgctatcc atatgctgat gggatatagac gtggatgacg aa 112

<210> 10760
 <211> 88
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126b05a1

<400> 10760
 agaaccctct ccacacccca ccctcagacc tgatctagcg accgtcgcaa ccattgggga 60
 cagagccctc ggaccctcc ctgcgca 88

<210> 10761
 <211> 281
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126b05d1

<400> 10761

atgcaacggt ctgttctcgt tagcgagccc ngnantnant ttttataagc cttnatccat 60
 ttatataatt atctttggcc ttggtttact ctttttctct ctcttttttc tttcttcctt 120
 tctcacctat ccctccgggg ggtggggatc tttccttccc cctacccact cctctttctcc 180
 tttcgctaaa actttttttt ttttctcaac tcaaacttaa cctgcaaact ttttcgactg 240
 aatctttcct tgcagaaata aattctcccc ctacccttcc a 281

<210> 10762

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126b06a1

<400> 10762

agaaccctga tcccccccca catacggacc gttccagcct tgcattggcaa tctttgggca 60
 ccgagctgtc tgtgtctctcc aagagcggtt tgctctggac ggtcatgacc aaacatcacg 120
 gttcgccgaa gccatggcac tcgacgtgcc tgctaccgag gaagccagca ggggttgccgt 180
 ttagatcgcg aacgatcccc cccacgcaa agcatgagat caagcgcccc aagctcatgc 240
 ctagattgct caggctgacg cggctctggc tc 272

<210> 10763

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126b06d1

<400> 10763

aaaaaaaaatg ggggcgttcc gatttttcgta tncnagnncn nggnttaana tttnnnngggc 60
 aangaccagg ntgactanta cgaaggagcg gccttcanat nnnctctcgc accttttttt 120
 ttattttaac atcactcatt accccagggg gaaggggaaa attacccaac ccctaaaaat 180

ccctaccacc tgctgaaaaa acacaccctc tcttcgcaaa acaaactaaa acggcaaagt 240
 tataccacag aagctcccct cgaaaaaata aaatctgaac atacccttgc aacaggagta 300
 gctcagaccc atgattcata cccactgac taacccatga acctttattc agcatcttta 360
 agatctttta caaattccag acctagtact ttcatacctg ca 402

<210> 10764
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b07a1

<400> 10764

agaaccctga tcacgccccca catacggacc gttacagccg ttcattgtcaa tctgtgggca 60
 cagaggtgtc tgtgctttcc aagagctggt tgctatggac gtgcatgata gaacaccacg 120
 ttcagccgaa gccgtggcac tcgacggggc tgctaccgag gaagcaagaa aggttgccgt 180
 tcagaacctc agcgatcccc ccccgcgcaa agcatgggaa ctagcgcccc atgctcatta 240
 ctagatgtct caggctgatt aggctctgga tctacagacg gtgctggact g 291

<210> 10765
 <211> 457
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b08a1

<400> 10765

ctcagaccgc atttttcatc tcgtttactg agtgggggggt tctgctgctt cagctgctac 60
 tgggtccaat cgttctctac tctatgtttg tgtacttgag gtgcatgtgg ttgatactcc 120
 atggaaactg tggttggaat tgaggacaat gacgatggaa ggtttgaaga cagtgggggtt 180
 gatagaagca gttcggcttt gtcttcaccg aagcaaattt ccaaccaat tgtatacaag 240
 cttgttcggg ttgaagggtga tgggaagtta gtgcctgcaa cggatgatga agtaatggag 300
 gtgggggatt ttcttgagta tgaaaatagt gaaatgcatg ttggcacata cactggacaa 360
 agtttggaat gcatatcaat tgagagatca tcttctggga agcttcgatt ggagcgtttg 420
 gaaggaactg cataggcaga tttggggaaa ctaaattg 457

<210> 10766
<211> 419
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126b09a1

<400> 10766

tggacgcagg caacgtgcat tttcccatte gaaggacacc atcacgccgt tttcgcgtcc 60
ccgtcgtttc ggatccatcg tcatcgtttt tgtcttcttc ttccattagt ttagttgaga 120
atcaatccca tgacaccgag ctggagcctc cgcccgccac cgtcgctgcc tccaacggtc 180
agatccggtg cccatcgccg tcttcgccc agctcttcga cggcagcagc aactctccgc 240
cctcgcacgc cgccgaccag cactcgccgg agttcgagtc cagcaaatg ctgaagcgcc 300
ccggccgtca ggagtccctc gccgacaaga tctatccggg ttgcgaggac actgctccgt 360
cgtcggcgat cccgctcctc ctcatcacat ttctctctta cgtcatgccg tccagcacc 419

<210> 10767
<211> 335
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126b09d1

<400> 10767

tttttttttt tttttttttt ttttttcttt ttttttttgt ttgttttttt tttttttttt 60
tgtggtttct ttgttttggg gcagcccaca gcgggaccca tttaattttt cctggaaaaa 120
aaggggcccc atcccctggg gggatccctt aggtctgtga gcccccttgt gctgggcatg 180
cggggcccac actggaaaag cccatctcgg ccacagcggg ggaccccaat gccattatc 240
tggaccccc cccccaacag gaccgcaac agcaggggtg cccgtttgtg ctccagcacc 300
cggaagaggg cctcctggaa gacgaccca gctgg 335

<210> 10768
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126b10a1

[illegible]

gcgggtataca ccaccggggc cttgcgattht accccacaga tgaaactaga cgtatatcac 120
 tccaatgatg cccaagaagc atgctgagca gcaccgcagc ctgacggacc ttcttccatt 180
 tgcaccatc tgttcactat agggattgcc gttaccgata tctcgcatat ccatccatct 240
 tgctctggca tgcacaacga ccgtgcctct ccc 273

<210> 10771
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126b11d1

<400> 10771

ggcttaatat tttttattht atatagaatt gtgctagctt aatcaaaggc aaatactttg 60
 aggtccactt gctagagaaa atacatgcat ccaccgcag agaaaggggg ggaattaatt 120
 attctthtat acactaaaat ttgataaaat tctgcatcct gcttcgagca aggtgtctcc 180
 aaggcttccc tgacctacaa gtaggaactc tccggtcaaa cctctggatt aacctgaact 240
 ttgatgttgt ggatatcata tctgatecta tgcttaacta taatatt 287

<210> 10772
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126b12a1

<400> 10772

aggaaaaatg ggggggattg agtccgatnc gaanncnthn tnnngtthn nnnccnthn 60
 cnthnnthn nnnngnggg nnnnnthn ngnnthn gntthtgga thctthtgct 120
 ttctggctth gthtgctact ctggctctth cccaggatgt agcacaagcc gagcacatta 180
 gtggctaccc catactccca ggtggtacaa atcacattat gccatccact cgcggcgctg 240
 ccagtgggtg attgaaacta cctcggtcag gagactggaa ctgctcatct actgggttg 300
 acgaatactc agatgtgtta cctggcacac caaacaath gagcatacct gggataaagc 360
 ctggactcat cthtacaggt actgcacttg aaagcgccca ccaacagaaa cctgatgggg 420
 ctgaatctc caaccgtgtg tggatgggtg aca 453

<210> 10773
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126b12d1

<400> 10773

gataaattgg cttttttttt tttatttttt taagaagtgt gctagcaaga ctcaagggca 60
 aacaccctga ggtcccctct ctatagagaa tacgggcttg cacccccaga gaaaaggggg 120
 gactaaatga ttctatcacc cactaaaata aaataaaaact caaccccctt ctttgttcaa 180
 ccgcccc 187

<210> 10774
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126c01a1

<400> 10774

attaccgaa tggctcttca cagatggacg gtgactctct atcatctcaa ccgttatggt 60
 catagctgag agtgctatgc cagagacgat tgttttaggc gtgcatgatg gccaaacact 120
 ttcagccgaa gatcagtgc tgaacgtgta tattatggac gatctaacct tggaagctgt 180
 tataaccctg agcgaactgt agacacacag tacatgtaaa cctgcttcta ttaataaggc 240
 cttgatgcgt acggatgatt ga 262

<210> 10775
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126c01d1

<400> 10775

aganaaaagg ggctacctgt ctctatgcga ggccnagatt anggtattag ccaaaaccta 60
 gacagtatcc gggcttaatt gtatataacc caccattt ttttttttcc ctcatacctc 120

aataaatagg ggggggggac tttttatctt attttactcc accaactccc cctataacaa 180
 attttcttca cgcaaattaa acttaaccgc caaagaaata caactcattt caaccttgca 240
 caaataaatt attcacctac ccttgaa 267

<210> 10776
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126c02a1

<400> 10776

agaaccctca acacgcaaca catacagacc gtgacagacg atcatggcaa ccattagcca 60
 cagagctgtc tgtgctgtcc aagagctgat cgataaggtc ggtcatgatg gactagcacg 120
 ttcagccgaa gacgagacac tggatgaggc taataccgag gatgcaagaa aggctgccgt 180
 taagaacgtg agcgaacatg agccacgcaa agcatgagat caggcgag 228

<210> 10777
 <211> 558
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126c03d1

<400> 10777

atgacactgg tacttgattt acgcatanca gagancnnag ataannngtt ncnggncaaa 60
 gacccccgga cggggataca atgctttttt ctncctttaat tccatccctt cttttctttt 120
 tttaatcccc actctcacc ctcggggcag ggggtgtatt tttttattct tttccccata 180
 tttccctcc cggttccggc cttaaatttt taggtaccaa atccagaatc ggaaaaaaat 240
 tttgctgtaa ccatttttct aaataacaaa ttcttaccaa aaaatgccag gaggcctaaa 300
 ccttaaacia aagggtctta aacctctctt taiaaaaaaa ttagcgtacc aaaccttatg 360
 tcaattacia ctgcgcagga aaaaactacc ccaaccgaaa actaaaaccc ccgccaata 420
 aagggtctct ttgggccaca aacccttttg gttggctgtg aagaacctct ttaaaaaggt 480
 tcttggttta ccaaaacccc accttttatc caacttacc tgggcttatt tttgttttga 540
 agaggaggta taaccccc 558

<210> 10778
<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126c04a1

<400> 10778

agaactctga tccccctcca cccacgtacc gcctgaacct ttcctctcaa tcaataggga 60
ccgaggcctc tgtcctctac tcagagctgt tggatcgaga cggtcacgac a 111

<210> 10779
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126c05a1

<400> 10779

agaacctga tcacccccca cattctgacc gttactgccg ttcactctcaa ccgttgggca 60
ccggggcctc tgagctgtcc ccgccctaatt gggccgagaa gttcgatcac cgcacctcac 120
cttctttccag aaccgaggca cttgccgtgc catctgccga agaaagcacc aagggtgccg 180
t 181

<210> 10780
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126c06a1

<400> 10780

agaacctga tcacaccaga cattcggacc gttccagccg ttcactgtcaa tcattgggca 60
cagagccgctc tgtgtctctcc aagagctgat tggatgggac gtacgatgac agaacacctc 120
gttcagccga aaacgaggca ctggacgggt tttctaccca agaaggcagc aaggctgccg 180
ttcagaacct gagcgatctc gccccaggca aagcatggga agaggcgacc gatagctaag 240
cccagactgc taaggccgat tgg 263

0953113-03200

<210> 10781
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126c07a1

<400> 10781

agaaccctga tccccccaga catacggacc gttccagccg ggcatggcaa tcgttgggga 60
 cagagacgtc tgtgctctcc caccgcta at tggcttagac ggtcatgaca aaacatcatc 120
 gtcagccgaa aaccaggcac tggacggggc tgatacccaa gaaggcagca aggcagccgt 180
 ttagatcgtg agcgatcctg cgccggggcaa agcatgggaa caggcg 226

<210> 10782
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126c07d1

<400> 10782

gaccaa atgg ttgtcgatcc gtagcaancn nnttaattaa atccttatag catatatttat 60
 tgggtttttta cacacttttta atcctttttt ttttttctcc tttctctctt tctcgggcgc 120
 gtgtatcttt ctctaactcc tcaacttcaaa ctactgataa aaacaaactt ttcttggtat 180
 atccaaggga acctgaatgg ttatttctaaa aacactatcc tccgaacaag catgatttat 240
 ccctccatgg gaacactggg aagaacaacg gtctcaacgg ttacaccogg ccagacacg 300
 aatattaccc cccctcttaa cctttctcca gcggaactct gccc 344

<210> 10783
 <211> 454
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126c08a1

<400> 10783

ctcacacttt caaccccatc caatcctcac atgcatgctg tctctgcaa agtgccgagt 60
 cacataacat ttccattggt accattcttt ctttccatca caaccactta ttaagcctct 120

gacccctcact ttctctcaca caaaaacaca ctcaccatgg atcatcgcaa accattgcta 180
 cccacttcct ctgatgctgc tccaaatcca cacactcgca aggaccttct tctagttatt 240
 tgcggtctgc tattactctc ttcccttggt gcctttggag gggacagggc ctccaacgcg 300
 ccgcatgccg acgtggcatc ggcaacatcg aacgatgagc aacgtagtcc gacatcggtg 360
 ccttctccga aattggaccc ggtttcgoga ggtgtttctt ccggggtgtc agagaagtca 420
 tcaagcatgt tgtttgcggt taaagatgga gctt 454

<210> 10784
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126c08d1

<400> 10784

gcaccaaagt atcaatcatt ctgtangcat tncaagatan nagttaaacc caaaaccgaa 60
 aaaaaatatt tgtgaaaaan aaacaaacac acaaaaattt tttttttaa gaaacaaaac 120
 ccaaccaagg gggaagggtt ttattttctat aacccacac ctcccaactc acaataaata 180
 acaaactttc cctgttatct ccaagggaac cttattgatc actcttaaaa cactaaccac 240
 cgaatcaaca taattaatcc ctccatggga aactgtgaa aaacaacggt ctcaacggat 300
 aaaccggcc caaatccaaa tatcaccccc cactctaacc cttctccaat ggaactctac 360
 ccttctcct tagacttctt cctcatttca tccataatga acaaaacaca ctcgcttgac 420
 atgtttccgt actcactcat cacatgccgg gtggactgta atttctccgg cttgagccga 480
 agcttctcct caacttgatc gaggatcgcg 510

<210> 10785
 <211> 570
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126c09a1

<400> 10785

atcggttag aggaagagag agagagagga tggagaaaac agaggaaaag gtggcggtgg 60
 gcgtgcctgt gcaattgtat tacggtggag aaaatgaata tcaaagggga atgatccctc 120

ctaacacggt gtttgagat ccaaagggca tccccatcca gcagaccatt tacagggaca 180
 ctctgtctcc tttcaactgc ccttactgcg gtgacaccgc tctcactacc gtcagtatgt 240
 ggcgtcaagg gattatgatc tagtcatggc gtatttataa gagattggat attggccttga 300
 tttggaatga aaggaaaaat gtaccacaaa atatccatag gtaaaatcta ttaacaaggg 360
 tctagtttat gcttgagttc aattccttcc tatgaataaa aaaaagaagt aaggggattg 420
 tttgtatcac atattaatgg gcagcgggta gaaaccagca agggactcat tggatgaatat 480
 cccaatctga aatgattcaa atggtcttac aaaccaataa attgttttaa tacttacagg 540
 cgtctgcgaa ttcattttta gttaaattatt 570

<210> 10786
 <211> 101
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126c09d1

<400> 10786

nnttgacgcc gaaccttcag cagagatccc gannnggaga gaattngcag ggtcgaccat 60
 gctcactaga tcggcaggcc atgccctttt tttgtttttt t 101

<210> 10787
 <211> 581
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126c10a1

<400> 10787

atcggattag aggaagagag agagagagga tggagaaaac agaggaaaag gtggcgggtg 60
 gcgtgccagt gcaattgtat tacggtggag aaaatgaata tcaaagggga atgatccctc 120
 ctaacacggt gtttgagat ccaaagggca tccccatcca gcagaccatt tacagggaca 180
 ctctgtctcc tttcaactgc ccttactgcg gtgacaccgc tctcactacc gtcagtatgt 240
 ggcgtcaagg gattatgatc tagtcatggc gtatttataa gagattggat attggccttga 300
 tttggaatga aaggaaaaat gtaccacaaa atatccatag gtaaaatcta ttaacaaggg 360

tctagtttat gcttgagttc aattccttcc tatgaataaa aaaaagaagt aagtggactg 420
 ttttgtatca catattaatg ggcggcgggt agaaaccagc aaggtactca ttggtgaata 480
 tcccaatctg aaatgattca aatgttctta ccaaccanaa aattgtttta atacttacia 540
 gcgtcagcga attcattttt agcttaaata tatattcaaa t 581

<210> 10788
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126c10d1

<400> 10788

aaagattaac tatgatcacg aacgaaacct ttaatagaaa caaaaatgat atgggggtag 60
 tatcaccatt ttgttcgtct ctgaagacaa catatataga acatatatag atgcccttaa 120
 tgaatcgaat gaatcttcca aaatcgcaaa ttagatgtgc gggaattaat tacatatgaa 180
 aaataatgaa gctataatct cccattatct gtgaatcaca gacccatatt caatctcagg 240
 tcagcctgaa agttaatctc tgatcatcat gaatgacagc atttcaccac aaaatccccg 300
 ggatgaaact catgtgccc 319

<210> 10789
 <211> 575
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126c11a1

<400> 10789

gaaatatcca agacttggtg atatgggctt aacacatctc aaagactcaa gttacttaga 60
 aaattccatc gattgggtac caggcatcaa agaaattcga ttaaaggact tgcctagctt 120
 catgagaacc acaaaccac aagatctcat gatgatggat ttcatatata gccagtgtga 180
 gagagctcaa aaagcttcag caatcattgt gaacacgttt gatgcattag agcatgacgt 240
 ttgggatgca ttctcatcca tattgttgcc tcctatctat tccattggcc ccttaaacct 300
 actcttgaac aatgatgtca ccaacaacga ggagttgaaa acaatntggg tccaaccttt 360

ggaaggaaga gccaaagtgt ctagaatggc ttaactcaaa agaaccaatt tcagtggttt 420
 atgtgaactt tgggagcatt atggtcatga ctagtgacca attgccagag ttagcttggg 480
 gacctgcana tagtaacaaa aactntttgt gggtcattag gcccgatctt gtggcagggg 540
 gaattaattt ggcgttacct aatgaattgt gaaag 575

<210> 10790
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126c11d1

<400> 10790
 cagtggaggg agcccatcgg cgagatcnca ganaggcaat aattnccagg gtcgacgatg 60
 ctcatctatg tcggaggccg cccttttttt tttttttttt ttttttccaa gcatttcctt 120
 gcatcatacg ttctttcatg ttatacagga caaattacag ttataggcgt tttttaaata 180
 tccagccagg ggggaagccag cacaacaggg tggatcgaag atggaattca ataatgggaa 240
 cataaccaca gaaagaggcg gatcctccgg agtttttatc ccttcaaaga tgggcaatta 300
 gcccattttg aataggcttg gctggcaggc cattctcttg ggcattccaa ccactttggg 360
 tgggggggaa atcaacagca ggcgagcaat tgaaaaaccc atgcgagata agcatgaaac 420
 cagaggggnc cacgggcata acaagccaga cttccaatct aggaat 466

<210> 10791
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126c12a1

<400> 10791
 tgcgttcgcc atgcnnccgc tngcgannnc nnnntnnnng tnnncnnccn nnnccnnnnn 60
 nnnnnnnnng ngnnnnnnnn nnnnctncnn gnnngntntt gcntttgnga acacttttac 120
 tgagagctgg gtgacagaga agttattcta tgccttagac tctggtgcag ttcctatcta 180
 ttttggtgca ccaaattgtc tggattttgt ccctccacat tcaataatag atggtagaaa 240

attcaactca ttggaagagt tggcttcgca cgtgaaggct gtagctaata atccagtagc 300
ctatgcagaa taccatgcat ggagaagggtg tgggtgtactt ggtaactatg gaaaaactcg 360
agctgtgagc cttgacacgt tgccatgccg attatgtgag gctgttagca gaaaagggtgg 420
aagaaatgcg ggaagctagg ttgagttttt tgctaaattt gtagctctgc atgatagaga 480
ttgacgcatt gaatttaggt ttgcaacctg tatagagatt gcttggttct ctgagctaata 540
gtaca 545

<210> 10792
<211> 432
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220126c12d1
<400> 10792

gaatgaagag tgatgtttgc atgatttgac atatcaaggt gacatatgca cgtgggttttc 60
taaaaaatca tacatcaaca aaaacacttt atctatagtg ctacctatgt ggagatagca 120
tcaaccactt tctaccagaa aaggggggca ataaaaata aaatttcaca tgagctaagc 180
ctttcttggc caaagggtaca ttagctcaga gaaacaagca atctctatac aggttgcaaa 240
ccttaattca aagcgtcaat ctctatcata gcagaactac aaattnagca aaaaactcaa 300
cctagcttcc cgcatttggt ccaccttttc tgctaacagc ctcacataat cgggatggca 360
acgtgtgaag gctcacagct cgagggttttc catagntacc aagtacacca caccttctcc 420
atgcatggta tt 432

<210> 10793
<211> 154
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220126d01a1
<400> 10793

aggaccctga tcacattca gacacggact gagactgacc ttcttggcgg tcaatgtcca 60
ccgagatgac cgtgggtctcg ccgtgattgt tgaatgagga gtctatcaag tacaccctct 120
agcagcagaa tccgagaccc tggatgaagga tact 154

<210> 10794
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126d01d1

<400> 10794

catccgatct gcatgacctt cgctnaccag aggcaaagat ttaatttatt taccagctcc 60
 ctagtctgag tccaacgccc tcccctcctt tctctcgctt gccttttccc ttcgccctc 120
 ttttctctcc cggggggcgg gggacctatc cccccccatg cccaccacc tcccgctaaa 180
 attttttttc cgttctcaca tcaaactaaa ccggcaaact tatacaccac aatccaccct 240
 tgcacaaata aactatgcac ctacccttgc aaccagattt g 281

<210> 10795
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126d02a1

<400> 10795

agaaccctga acacactaca catacagacc gcgacagccg aacatggcaa ccattggcca 60
 cagatatgtc tgtgctgtcc aagagcttat cgatacagat cgatcatgatc acaccacacg 120
 ttcagccgaa gacgagacac tggacgaggc tactaccgaa gaagccagaa aggctgccgt 180
 taagaacgtg agcgatcatg agccgcgcaa agcatgggat caggcgaccg atagctaaga 240
 ct 242

<210> 10796
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126d04d1

<400> 10796

ctgggcgctt aagtctatac tcgcatcnca gctatcacgt tgcatgcac gcgtccgtaa 60

gcctctcaat aatctggggc cgccctctaa tcttttctct cccctttaat ctttccaaac 120
 atcctcccc ctcccgggga aagggtgttt tattcaactc ctataatacc ctttccctc 180
 ccgattgaac catactgtcc tcttcagaag aatcacaaac tttaacttaa accaaagaaa 240
 tctaacccca aaaa 254

<210> 10797
 <211> 93
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220126d05a1
 <400> 10797

agaaccctca tccctcccca catttggtact gttacagcct ttcattgtcaa tcgttaggca 60
 ccgagctgtc tgtgctctcc gaagagctaa ttg 93

<210> 10798
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126d05d1
 <400> 10798

acaaaacaaa ttgggggctg acctanatch ttctantngc aagaccccng tttnanagtn 60
 aaaagaccaa aaacaaacga tggaaaatat atatataatt ccaccccaac cacactctaa 120
 cttttttttt ttccaccctt tcccattacc ccctacttgg gtaggggtaa atttacaact 180
 tcactccctc ccaaattctt tctcccatct aaacttcctt ctctcctcac atcaaacaca 240
 aacgacaaac ttaaccacaa aaatctaacc ccacaaaaaa actaaattca aataacctcc 300
 aaacacaatt gaaacaaccc tacacctcac taaaaaccta ctaacacccat aacaattata 360
 tccacaactt aaataatatc cacaaaataa cgcaacatat gatttacata ctcttccat 420
 aacctaagaa cacaacgcat gattattttc atgcaagcac ctaa 464

<210> 10799
 <211> 348
 <212> DNA

<213> Glycine max
 <223> Clone ID: jC-gmf102220126d06a1
 <400> 10799
 agaaccctga tccccctcga catttatacc ctttacagat accttcggtg ccattaggca 60
 ccgggctttc tgtgctctct ccgagctcta tccaaaccct tcaactattac aaatccccgaa 120
 acttcttcag actactattc tctccctctt atagttgtac cgaccatctg cctccaagat 180
 gccgttaaga tggtagcgcg cccgggtccca cacaagcat aacaactagc gtccgctgct 240
 gattcgccaa agatatcatg ttgataccgc tcagggtgac acagccggtt tttgacttga 300
 cataacgacg gggcgacctg gatatactta gccagccaac aggccttg 348

<210> 10800
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126d07a1
 <400> 10800

agaaccctga tcccacccca cattctgacc gttacagact ttcatgttaa tcgttgggca 60
 ccgagctttc tgtgctctcc ccacgctcat cgctacagaa gtacatgaca aaacacctcg 120
 ttctgccgaa accgagacac tggccgagcc taataccgaa gaagccagca aggatgccgt 180
 ttagatcctg agcgctccgg ccccaaacia agcatgagat caggcttccc atgctgaggg 240
 ctagattgct catgccgata ccgctcttgc tcttacacac ggtgcttgac tg 292

<210> 10801
 <211> 582
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126d07d1

<400> 10801
 ggccaaatac ctgtccgagc atgcgacttc ccgatagcgn agancnnngn ntnnnntttt 60
 nannnnccnn ntnnnnnnnn nnnnnnnnnn nngngggnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnntttt tnnntttttt nntnntnttn tttttttttt ggggggtgggg tgtttttttt 180

tttntttctt tnnttttccc ctttttnntt tttttgaatt ttctttttta ctttttaaaa 240
 aaaaagtctt tacgggaaga tcctctctcc caataagata aaatcaactc cccccgtttt 300
 ttacaaggcc ctggaaccat ttcagtgttt tccctttgcc cttttttttc tcgaattaag 360
 atcctctctcc ccaattaatg tcccccccaa cttttttctg cccgattttt aaaccgcatt 420
 tcttttcccc gctttgaagg cgactgatcc ccccccccg gttcatcaga tttgtccttg 480
 ggcacttgct tcccacttaa atagttctcg agtccccatt ctccttggtc accaccaaaa 540
 ccctacgtt taaccctcc ccattgagaa tgaatgaagc tt 582

<210> 10802
 <211> 78
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220126d08a1
 <400> 10802

cgaaaaaaaa gtagcttgct tagacattat gtgctggcgt ctaactgcga tttattcata 60
 cttctcattt ctgcctag 78

<210> 10803
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220126d09a1
 <400> 10803

cgaacactat gtaccccgct taaacctcac atgctggcgg ctagctgcaa tgtatccata 60
 cttctatttc tgcattgttt ccatgctttc tttccatcac aaccacatta ttaatgcctg 120
 ttgatcctca cttatctgtc acacaaaaac aactcacca tggatcatgg cataccattg 180
 ctaccactt cctctgatgc tgatccaaat ccacactctc gcaaggacct tcttctaatt 240
 atttgccggt tgctattact ctcttccctt gttgcctttg gagggtagag ggcctccaac 300
 gcgccgtatg ccgacgtggc attcggcaac atcgaacgat gagcaacgta ttccgacatc 360
 ggtgccttct acgaaatggt atcccgctt atcgcgaggt tgttttcttc cgggggt 417

<210> 10804
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126d09d1

<400> 10804

ctccttaagt atgatattaa caaagcatgg gtttattaca gttatgcaac aaaccgtgtt 60
 ttaaaccgca gttgactttt acttcaaata caggagccgg aatggagtcc ctttctcatg 120
 ttacagctt attcttaaac aatttagaaa atgcaaagac caaatggcag naaaagaatt 180
 atcatcctat ccagacaatg caaagctctc ctgagtcag agggggggat ccatcacagc 240
 acagggatct gattttctcaa agtcagcaac cttttcttga catttaggac aggagggatt 300
 tttatgcaa aggcaatcct ttgaaggga aagaaagcaa actccaagca tcatcgggac 360
 aaagcatcca acaaaagctt gtaaactggg ctttg 395

<210> 10805
 <211> 376
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126d10a1

<400> 10805

atcggattag aggaacatag agagatacga tggacaacac agaggaaaag gtggcggcgg 60
 gcgtgccagt gcacttgat tacggtggag aaaatgaata tcatagggga atgatccctc 120
 ctaacacaga gtctggagat gcaaagtga tccccatcca gcagtccatt tacagggaca 180
 ctctgtctc tttcaactgc cttactgag gtgtcaccgg tctcactacc gtctgtatgt 240
 tgcgtcacgg gattatgatc ttgtcatggc gtattttaca gagattggct attggctcga 300
 tttggaatga aaggaataat gtacccacac ttatgcatag gtgaaacact ttacaaggg 360
 gtctagtcta tgcttg 376

<210> 10806
 <211> 65
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126d10d1

<400> 10806

gctccttaag tctaattatta acaaagcatg agttttttac tggtttgcaa caaacctgtg 60
ttaag 65

<210> 10807

<211> 450

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126d11a1

<400> 10807

cacccttctt ctctccaccc aattaaggaa gagtgtgtta gtgtgagaaa accctttagt 60
ggtgatagag tgaagagaga tgaatggagt gaagggggcag tgtcaaccct ccttgaggct 120
tatgaggcca aatgggtgct aagaaacaga gccaaactca agggccatga ttgggaggat 180
gtggcacggc acgtgtcggc acgtgccaac tgcaccaaact caccaaagac ttcaacgcag 240
tgtaagaaca aggttgagtc catgaagaag agatacagat cagaatcagc agcaacagca 300
gatcatgcat catcatcatg gcctctttat tcacggcttg atcttcttct taggggaact 360
ggacccgtgt ttgtcgtcgc cgcgcgcgtc gccaccggcg atgatgccgg cggcattgcc 420
ggttctgttt ccggtggagc cgtcgcaacc 450

<210> 10808

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126d11d1

<400> 10808

aaaaactaaa ttgatattat tcctttatct caatagattt agaatagttt taaaatcatt 60
acactactac atgaacgaat tcatgccatt gagcattgta ataatccaaa cacttctttg 120
nagcaattgt ggtcataaga acttgacgaa ccacgttgtc catgtttctca tacgaagacc 180
catgtggact cgaagcagcc tcgagtgcc aatttcttgca ctccaaagct cttgccttca 240
tctccttacc cttttccctt tccatcaact ccttcacaag tgcttcaact ttctccctct 300

0953113-032200

taacatcctc tatctgcaac ccaatccccc actccttgca acaaaatcga caatagggtta 360
gtttgctccg aaagagaaga gccaacacaa cattggaacc ccttcacaca cactc 415

<210> 10809
<211> 634
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220126d12a1

<400> 10809

gccaaagagc ggggattgag ttgatggcag ncnnnntnnn nttnnnnncnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ttttnnnnnn nnnnnnnnnn nnnnnnnnnn 120
ncgggggngg gtncatcgat tgggtgccag gcatcaaaga aattcgatta aaggacttgc 180
ctagcttcat gagaaccaca aaccacaaag atctcatgat gatggatttc atatatagcc 240
agtgtgagag agtcaaaaa gcttcagcaa tcattgtgaa cacgtttgat gcattagagc 300
atgacgtttt ggatgcattc tcatccatat tggtgcctcc tatctattcc attggcccct 360
taaacctact cttgaacaat gatgtcacca acaacgagga gttgaaaaca attgggtcca 420
acctttggaa ggaagagcca aagtgtctag aatggcttaa ctcaaaagaa ccaaattcag 480
tggtttatgt gaactttggg agcattatgg tcatgactag tgaccaattg acagagttag 540
cttggggact ngcaaatagt acaaaaaact ttttgtgggt cattaggccc gatctcgtgg 600
cagggggaat taattgtgcg ttaccaatg aatt 634

<210> 10810
<211> 412
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220126d12d1

<400> 10810

aaaatctaatt ttgatattat acctttattt caatagattt agaatagggtt taaaatcatt 60
acactactac atgaacgaat tcatgccatt gagcattgta ataactctaa cacttctttg 120
gagcaattgt ggtcataaga acttgacgaa ccacgttgtc catgttcaca aacgaagacc 180

0953113.032200

catgtggact cgaagcagcc tcgtgtgcca atttgttgca ctccaaagct cttgccttca 240
 tctccttacc cttttcccct tccatcaact ccttcacaag tgcttcaact ttctccctct 300
 taacatccta tatctgcaac ccaatcccc actccttgca acaaaatcga caataggttt 360
 gttgctccgc aaatgaagag ccaacacaac ataggaaccc cttcacacac ac 412

<210> 10811
 <211> 501
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126e01a1

<400> 10811

caactcctgt ttgcacaagc cactcatgct cgacaagact gtgctggtaa cgggcgggagc 60
 cggttacatc ggacaccaca cgtttcttca gctcttgctc ggaggttgca gaaccgtcgt 120
 cgtcgacaat ctgcacaatt cctccgaggt ttctatccac cgagtcaggg agcttgccgg 180
 cgaatttggg aacaacctct cctttcaca ggtggaccta cgggacaggg atgcactaga 240
 gcaaattttt gtttcacac aatttgatgc tgctatacac tttgctggac tgaaagcagt 300
 aggagaaagt gtgcaaaac ctttactata ctataacaac aacttgactg ggacaatcac 360
 tctattggaa gtcattggctg cccatggatg caagatgctc gtgttctctt cttcagcaac 420
 tgtatatggt tggccatagg aagttccatg cacagaagag gttccctctg tcagcaatga 480
 acccatatgg acgaactaag c 501

<210> 10812
 <211> 573
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126e01d1

<400> 10812

gaacaaggat ggggtgaata aagtctgatt gcaggncag attnnagtta aaaaccaann 60
 ccgaaaanag aaaaaagggg aaaattaaaa naaaaaaaaa aattttaatt aaaaataaag 120
 ttttttattt ttgggtgagg ggtaattttt tttgtggtac atgatagtat tcgaatctaa 180
 taatcaataa cctgtaagaa ggaacctata gaacctttta attaaattac agtcagtaa 240

accactactt atttaccatg taactatgaa tcataataat acaagtactt gtcaccttga 300
cctacggact aaagaaaagc ttttgagaaa actaaattca caagacctac ggactacgggt 360
gtggggggagt tcggaaaaga acccaaagag aacactatat atatatatag ttaaacgggtg 420
gaatcctcct gatctccata gccataaggg tttttgctag cccaattcca ttgatcgcggt 480
cacatttcat caatgccata ttttgccctc catttaagct ctctttccgc tttctttgtt 540
gatgcataaa caatttcagc atcaccaggt cta 573

<210> 10813
<211> 228
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220126e02a1
<400> 10813

agaaccctga acacactaca catacagact gttacagact atcatggtaa ccattagcca 60
cagatatgtc tgtgctgtcc aagagctatt cgatagagac ggtcatgata gacaaacacg 120
ttcagccgaa gacgagacac tggacgagct taataccgaa gaagcaagaa aggctgccgt 180
taagaacgtg aacgaacagg agccaggcaa ggcattggcat caggcgac 228

<210> 10814
<211> 603
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220126e03d1
<400> 10814

agccccaat catgagaagc agggctaagc nntcccatn ntgnagnngc nncagnnnnn 60
aggattnccg nnganaaann nncnnngnng gngngngngn gnnnnnnnaa tagggganna 120
aataaaanna aaaaaaanna taaaaaattt taaanaang aacaaagaaa aaaaaaagag 180
ggggggaaaa tttttaattt ttatgcccat taaaaacaaa atatccgata aatcctatgt 240
tagctatata aatgacaaac ataggcagag taactaaaag actaaaacca acagaaagag 300
acgtgacaaa aattacttga gcacggtaac tgaagatgcc cacataaata aagagccgcc 360

atccaccaaa tctctgatca cacactcact tcttggattt cttcaatgct tgagctggct 420
 gggatgctgt tgcaggtgta caagtttgtg ctgctgatgg cctctctcct ggaccttggg 480
 ccaagcgctc ctccctccga gcatttttcc tctccctgct agccttggtc ttggcacgct 540
 tcgcctcaaa ctggtcaaac aatgtctttt ctcttgccctt ttcaggcgtg gacttgtgta 600
 tgc 603

<210> 10815
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126e05a1

<400> 10815

agaaccctga tcacactcca catttttact gttccagccg ttcattgtcaa ccattgggca 60
 cagagccgtc tgcctctctc cagagctctt tgctttagtc gtcgatgacc gagcaccgcg 120
 ttcagccgaa gacgagactc tggccgtggc tggtgcccag gaaggcacat aggctgccgt 180
 ttagatcctg aacgaccgcg cccaggcag gccatgcgaa ctggcgacc 229

<210> 10816
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126e08a1

<400> 10816

acagaacaga gcaacactga acaatggcgc aacctacctc ctccctggaag cctgttgtcc 60
 ctctcctgaa ggacgagctg gacatcgtga tcccgacaat ccgaatcctc gacttcctcg 120
 agatgtggca ggcccttctt cgaaccttac caccttatca tcgtgcagga cggagacccc 180
 aacaggacca tcaatgtccc cgaaggcttc gattatgaac tctacaaccg caacgacatc 240
 aatcgcatc tcggacccaa agcctcctgc atctcgttta aggattctgc gtgtcgctgc 300
 tttggttaca tgggtctcaa gaagaagtac atctacacca tcgatgacga ctgcttcggt 360
 gctaaggatc cttctggaaa ggaatatcaa tgcacttgag cagcacataa agattctgct 420
 ttgtgcatcc actccatttt ttttcaacac ctttatgac cttacagag aagggtgctgt 480

tttc

484

<210> 10817
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126e09a1

<400> 10817

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ttcgaagaca tgaatgcatg agagaacatt gatttcatct acaaagtcg ttcacacag 120
ttggataata ttacaaccgt agatggctct ctactttcg tgggtgaatg gactgctgag 180
tggaagggtg aaggggctac caaaaaggat tatcaaagat ttgtcaaggc tgaattagat 240
gtttttgggc gagcaacatt tgggtggtgt tattggacac tcaagaacgt caataatcat 300
tggagtgttg aatggatgat caagaatggc tacatttaag ttttaaaaaa attcctcttg 360
ccgtgtgcac cctctatttc ctatcatatt atgccctttt aatatttctc aatatcaatt 420
atgatattga tatcataatt aatgtctacg tatagatctt taacgttctt cacttccgga 480
aaggcagaaa tatcaaagtt gtagaccctt tctttagtga aaacgggtcaa aaaaatgaaa 540
ggctctctct gtttttacat 560

<210> 10818
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126e09d1

<400> 10818

gttgccctct tggagatttt gctaccctca aatatggtag cagtagcagc ccaaggagag 60
caaaaacagg cgacccaag cataaccaaa cacgggatga aaaaccgcca caaaaatgg 120
gaaaaaacgg gccgggccac aaaaagagga aacccaccca agcccgaacc ctccccagg 180
gggggcccc ccggggcggg caccctcagt aacaaacccc cctggcccc 229

<210> 10819
<211> 604
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220126e10a1

<400> 10819

cgccatgtct cactacaagt ttgttcttgc aattgagaac acttttactg agagctacgt 60
gacagagaag ttattctatg ccttagactc tgggtgcagtt cctatctatt ttggtgcacc 120
aatgtcatg gattttgtcc ctccacattc aataatagat ggtagaaaat tcaactcatt 180
ggaagagttg gcttcgcacg tgaaggctgt agctaagat ccagtagcct atgcagaata 240
ccatgcatgg agaaggtgtg gtgtacttgg taactatgga aaaactcgag ctgtgagcct 300
tgacacgttg ccatgccgat tatgtgaggc tgtagcaga aaaggtggaa gaaatgcggg 360
aagctaggtt gagttttttg ctttaattgt agttctgcat gatagagatt gacgcattga 420
atthaggttt gcaaccctga tagagaatgc ttgtttctct gagctaagtg acatttgacc 480
aagaaaggct tagctcatgt gatattttat tttttattgc ccccttttc tggtagatag 540
tggctgatgc tatctccaca tagggtacac tataagtgag tggttttgct gatgatgatt 600
ttga 604

<210> 10820

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220126e10d1

<400> 10820

ctcctcctta gagctaattt taacaaagca ggagtttttt gcagttttgc cacttaacgc 60
gtttatgaag acaacttatt ttaccttat attgatgagc tggatgattg gcccttgctc 120
atgtgaacag cttattctta agcagtgtat taattgcata ggccaaatgg cggcgatttt 180
attttcaccc tttccagaca aagcaaagct ttcctgaggc cagggggggg ggcccatccc 240
agcacaggga tc 252

<210> 10821

<211> 351

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126e11a1

<400> 10821

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cccatataag actcataacc gatcgttggc tgcgcggttc ccacttgct tcccattttt 60
ggtgtccctt tgcgctaacc tcaaagagag tgcaggattt atacaaacca aagttgttgc 120
ttttgttatt tctgggttgc gaataggaat ggccggggtc agctgaggag ttggtggaga 180
agccgacgag acttggttct ccatggaacc cactcacgc cttacggac gccggagttt 240
ggacctttcg ccgttgaaat acatagctgc tgacgcgtca gtcccgccgc tggagaacag 300
ccggaagcgc cagaggctgg ataggcgcgc ttctgcggca tgggagtgcg a 351
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<210> 10822

<211> 395

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126e11d1

<400> 10822

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atattaatag cattatttga taactttatg tgcataatac ataataacat ttttattaat 60
tatcttccat aacctaccct taacttcttc caattcttag agatgaatca acacctttat 120
tggtgacact tgcaaagatc ctagcaatct ctaactgtgt attggcaatt atttcagttc 180
tcttaagggc catttcccct ctttaggcct cagcttcaac tctcatcctc tctatctcct 240
tcattgagtc cattcttgct tgttcagacc ttatcatagc ttctgtaagc catcttaagc 300
tttctgctat ctccacacac tctttccttc ttgcacctga gttgacaata ggtttcttct 360
tcctctaggt gcatcttaac ccgtccttct tgcta 395
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<210> 10823

<211> 556

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126e12a1

<400> 10823

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ggaaaaagaa gggggcgatc ggagcccgat ngcaanncnn nntnnntttc ncnncnnnnn 60
cctnnnnnnn nnnntngngg ntngncnnng nnnngnngnn ngngcggnnt ttgcttttnc 120
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tgatcaatcc caagaccttg gtttaccttg ccacacaaaa aaatatataa aaaggcaaaa 180
 taataataaa aaaaagagaa ggcttggagc caagaaaata aacacaaagc acaagtcatg 240
 gaaagaataa tggttggaag tgcaacaaag gttgctttca acctcttggc cactttcgcc 300
 attgtcattc catgccttga ggctggcatt gctgagtttg atgactttct caaagcccaa 360
 gctgatgaag cacaaaaaat tgctcttgag gcctatgtcc cagtgccaga agatgtcacc 420
 gacgaactca atttccatgt tcatttgtca ttagaaaact ccacaaggag ggaactaagg 480
 caaaggaagg gtagatcacg aaaaaaatgt gttgccagca accctattga cactagctgg 540
 agatgcaaca aaaact 556

<210> 10824
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126e12d1

<400> 10824
 agagccagcc cttttttttt tttttttttt tttttttttt ttttttgttt tttttttttt 60
 ttttttttgg ttttgtttct tttttgggtg taccacaaaaa gggggaactt tatctctctt 120
 taagtgatcc caagggaaga agatgctttt tttctgtttt ttttaagggc cacagaggtt 180
 ctttgaaaaa aaaaacaaat ttcgcccacg agaccacaaaa ttttcgggga gatatggccg 240
 ggggcaggcc cttgcccatt tctaaaagag ggggggggaa aaaaagaacc ccgagggcgt 300
 ccccaaaaag ggaccctatg gggggtaagg gggcctccac ttttgggggt ttggggaccg 360
 ggattncgag ggaagccacc 380

<210> 10825
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126f01a1

<400> 10825
 caactcctct ttgcacaagc cactcatgcy cgacaagact gtgctggtaa ccggcgagc 60

cggttacatc ggcacccaca ccgtttcttca gctcttgctc ggaggttgca gaaccgtcgt 120
 cgtcgacaat ctcgacaatt cctccgaggt ttctatccac cgagtcaggg agcttgccgg 180
 cgaatttggg aacaacctct cctttcacaa ggtggaccta cgggacaggg atgcactaga 240
 gcaaattttt gtttccacac aatttgatgc tgtcatacac tttgctggac tgaaagcagt 300
 aggagataag tgtgcaaaaa cctttactat actataacaa caacttgact gggacaatca 360
 ctctattgga agtcatggct gcccatggat gcaagatgct cgtgttctct tcttcagcaa 420
 ctgtatatgg ttggccaagg gaagttccat gcacagaaga gttccctctg tcagcaatga 480
 acccatatgg acgaactaag cttatcattg aagaaattng tcgtgatgtc caccgtgcag 540
 agccagattg ggaaataata tnggtaagat a 571

<210> 10826
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126f01d1
 <400> 10826

agaaaaaata tgcgttagga atttcagngt nngcnagnnc nagntnnnnnt tnangggcaa 60
 nnnennnnnn gnnnnnnnnn cnnnnnnnnn nnnnnnnnnn nnnnnntttt ntttttacna 120
 acatgngatt aatatttagg gaaggggatg cttctcatgt ggaacatgag agtattcgaa 180
 tctaataatc aataacctgt aagaaggaac ctatagaacc tttaaattaa attacagtgc 240
 agtaaaccac tacttattta ccatgtaact atgaatcata ataatacaag tacttgtcac 300
 cttgacctac ggactaaaga aaagcttttg agaaaactaa attcacaaga cctacggact 360
 acgggtgtggg ggagttcgga aaagaacca aagagaacac tatatatata tatagttaaa 420
 cgggggaatc ctctgatct ccatagccat aagggttttt gctagcccaa ttccattgat 480
 cgcggcacat ctcatcaatg ccatattttg ccttccattt aagctctctt tccgctttct 540
 ttgttgatgc ataaacaatt tcagcatcac caggt 575

<210> 10827
 <211> 313
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126f02a1

<400> 10827

ataaccctca tcacactaga cacacagacc gtcacagact atcatggtaa tcatgggcca 60
cagatctgtc tgtgctgtcc aagagctaata cgaatagac ggtcatgata cacaaacacg 120
ttcagccgaa gacgatgaca ctggacgagc ttaataccga tgaagccaga aaggctgccg 180
ttaagaacgt gaacgatcag gagacaggca aagcatctca tcaggcgacc gatgctgaag 240
actagactgc tcaggctgat aaggctctag aatatgacaa ccgatgctga actgaagacc 300
acaaacgaag caa 313

<210> 10828

<211> 531

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126f02d1

<400> 10828

gaaaaaagat gggggagatc gagtngttag cagaccnggn tnnntnnnnn cnnccnnnn 60
nntnnnnnnn nnnnnnnnnn nntnnnnnnn nnnnnntnn tttttttnnn nttntttttt 120
tttttggggt ggggtgatac acattcaaata ggccctgaga ctggaccaag ttccacaata 180
gtggagatta acaagagggg gtatacagct acatattcac tgaagaaaca gtgggggtga 240
aagtttgaaa atgttggtta ccacctctgg caggtcaact gacagaaata gaataagatt 300
ccggcaatga ccaccaggtg cacattaaat ggtaataata agtaaatacga aaccggaaag 360
actaagagag ggctgaaatc agcaaagctg gcaggcagag agagggcata tgatggaaat 420
ctctgcacaa tcccatgcat gggaaggga ggaaacaatt ctatcgcggg tgtggcaaca 480
ccggttgaat gtagaggcag aacaaggcta cagctactgc aaatctaaat t 531

<210> 10829

<211> 618

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220126f03d1

<400> 10829

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cgcacaanag agagggggcgg atcccgtngt cggatnnngn aggnncncggn ntnnnnttnn   60
tnggnaatnn ncnnnnnnnnn nnnntnnnnnn nnnnnnnncnn nnnnnnnnnnn nnnnnnnnttt 120
nnttttttnn nnttnttttt ntttttatgg gttgggggat attttttttt gtattgcata 180
tcataaaaaa aatatccgat aaattctatg ccatctattt aaatgacaaa cataggcaga 240
gtatctaaaa gactaaaacc aacagaaaga gacgtgacaa aaattacttg agcacggtaa 300
ctgaatatgc ccacataaat aaagagccgc catccaccaa atatctgac acacactcac 360
tttttgatt tcttcaatgc ttgagctggc tgggatgctg ttgcaggaga aatattttgt 420
gctgctgatg gcctctttac tggaccttgg gccaaagcgt cctccctccg agcatttttc 480
ctcttctgc taaccttgtt cttggcacgc ttcacctaaa accgnnggan acgatttctt 540
ttctcttgcc ttctcagcct tggacttgcc tatgctctcc ataaaactct cttggcttga 600
aaacattacc ttttacct                                     618

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<210> 10830

<211> 477

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126f05a1

<400> 10830

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agaagatggt gtccttgaag ctttagaagc gcctcgccgc tagcgttcta aaatgcggca   60
agggcacggt ctggcttgat ccaaataag tcaatgagat ctccatggcc aattctcgac 120
aaaacataaa gaagtgggtc taggatgggt ttattatcag gaagccgact aagattcact 180
ctcgctcccg tgctcgtcga atgaaggagg ccaagagaaa ggggcgtccc tctggttatg 240
gtaagcgtaa cggtaacaagg gaggcaaggc ttccaccaa aatcctttgg atgaggagga 300
tgctgtcct catgcgcttg cttcgcacgt acagggaatc aaagatgatt gacatgcaca 360
tgtaccatga catgtacatg aaggtgaaag gtaatgttgt ccagaacaag agagtctcga 420
tagagagcat tcacaagttc aaagcttggg aagccagaag aaagacattg tcttgcc 477

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<210> 10831

<211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126f05d1

<400> 10831

gaaaaaaagg ggctacctgc ntcgtancga gctcagataa atttcgggaa gacagcgagg 60
 aaactgggga cagggcncaa naccnnanaa accttttttt ttttaccccc ccacctcata 120
 cccggagggg ggggggtattt tacaattcca tccaaatcct tcccaatgct gataaaatat 180
 catgtctcta gggaaaagaa aatcaacccg caaagttaaa caatagaagg tatcaaatca 240
 aaatcaatgg atgaatatgc cctggaaaca ggggttgaag agaccgatgc ttccctaccc 300
 accgactaac acgcatagat tgagtgaagca tctcgaagat tgtatacaaa accatgcgct 360
 gcgacccta tcacggcgcc atgccgc 387

<210> 10832
 <211> 508
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126f06a1

<400> 10832

agaagatggt gtccttgaag ctccattagc gcctcgccac tagcgtccta aagtgcggca 60
 tgggcaaggt ctggcttgat ccaaataag tcaatgaaat ctccatggcc aattctcgac 120
 aaaacataag gaagtcggtc aaggatgggt ttattatcag gaagccgact aagattcact 180
 ctgctcccc tgctcgatga atgaaggagg ccacagagaaa ggggcgtcac tctggttatg 240
 gtaagcgtaa gggatcaagg gtggcaaggc ttcccaccaa aatcctttgg atgaggagga 300
 tgcgtgtcct caggcgcttg cttcgcaagt acagggaatc aaagaagatt gacaagcaca 360
 tgtaccatga catgtacatg aaggatgaa gtaatgtttt caagaacaag agagtcttga 420
 tggagagcat acacaagtcc aatgcttaga aggcaagaga aaagacattg cctgaccagg 480
 ttgaagcgaa gcgtgccaa aacaaagc 508

<210> 10833
 <211> 453

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220126f07d1
 <400> 10833

gacaaagctt gggtcctgct gatctcgata ccgaaaccgt gatgagtgtt aagatccatt 60
 ttctatata ttatcttata ccttgtaaca tctctttac caaatTTTTT tctTTTTTtg 120
 cccctattcc ctccctcacc tctgggcggg ggtgtccttt tcttccatg cccctcctcc 180
 ttccgcttaa acactTTTTT ctttctcacc tcaaactcaa ccggcaaagt tattccccct 240
 aatcttccct ccagcatta tcttctccac ctccccttgc aacaggggtc gctgagcccc 300
 attcttccta tccactggc ctactcatga cttttattc cgctcttaa catcttctac 360
 cacacccccg ccgccgtgct tctctctccc tgcacctatc cccttctcac acagggtttt 420
 tcttttgcgt tccagtacct aaggccctac cat 453

<210> 10834
 <211> 543
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220126f08a1
 <400> 10834

gtctttctat tactatctct tctctctcac atcgctttca ctctctcaaa ccccaacacc 60
 atcactctcc cactctcccc tctctctatc aaacccatt cctcagactc agatccattc 120
 cactctctca aatttgcagc ttccgcttcc ctaacccggg cccaccacct caaacaccgc 180
 aacaacaatt cccctccgt agccacaacc ccagcatacc ccaaataccta cggtgggtac 240
 tccatagatc tcaacctcgg aacccacct caaacctccc ccttcgttct cgacacaggt 300
 agcagcctcg tttgggtccc ctgcacctcc cgctacctct gctccactg caacttcccc 360
 aacatcgaca ccacaaaaat cccaaccttc attccccaaa actcctgcac cgccaaactc 420
 ctcggttgca gaaaccccaa atgtgggtac atcttoggct ccgacgttca atttcgctgc 480
 cccaatgca aaccagaatc ccaaaactgt tccctaakat gcccgccta cataatccaa 540
 tac 543

[illegible]

<400>	10835
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<223> Clone ID: jC-gmf102220126f09d1

<400> 10836

<223> Clone ID: jC-gmf102220126f10d1

<400> 10837

4968

tcaaccactt tctaccagaa acgggggggca ttaaaaaata aaatatcaca tgagctaagc 180
 cttttcttggg caaatgtaca ttagctcaga gaaacaagca gtctctatac aggttgcaaa 240
 cctaaattca atgcggaaat ctctatcatg cagaacttca aatttagcaa aaaactcaac 300
 ctagcttccc gcattttctt cacccttttct gataacagcc tcacataatc 350

<210> 10838
 <211> 549
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126f11a1

<400> 10838
 taactcaact ggatatggtg atgagctttt atgggcagct agttggctct atcatgctac 60
 gggtgatgat tcttaccttc agtttgtgac tggccaagat ggagaagact atgctcaatg 120
 gggaagccca acctggttca gttgggataa caagcttgct ggaactcagg ttttgttatc 180
 tagattaagc ttttttaagg caaaggacat ttcgaattca tatagctctg ggctccatag 240
 ttacaggaaa actgctgagg ctgtaatgtg tggctcttct gcggattctc caacagccac 300
 aaaaagcaga acagatgatg gtcttatatg ggtgagccaa tggaactctt tgcacatcc 360
 tgttgcatcc gcattcttag ctgctgttta cagtgactat atgctaacat cgcagacacc 420
 aaactaagat gtggatcaga ttcctttacc caatcagatc ttcgagactt tgccaaatct 480
 catgctgatt acctattgag caagactcct atgcatatga gtcttctggg gggctataga 540
 gataaatac 549

<210> 10839
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126f11d1

<400> 10839
 aggggcgggt tcaataatat cagtagtagt aattgtctgg catgacctac ccttagacgg 60
 caccaggggg tagagatgga tctacacgtt catgggcgac acgtgcaagg gggctagggg 120
 ggggtaaccg cgctggg 138

<210> 10840
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126f12a1

<400> 10840

ggaaaagagg ggggatcgag tccgtngca annnnnnnt nnnngtnnc nnnnnnnnc 60
 tnnnnntnnn nntngngcnn nnnnctnnnt nnnnnncnnn nntntgntac atctggtgct 120
 gggtaaaacg ggtggggagc gatccttctt gagt:gagga aacaggagcc aagcccttct 180
 ggcctctgct attgggggca aaatggctgc tgg:ggctct gaaactccca caagactcat 240
 ggcggtgact gctgcggcac caacaagac atggctccct gttgtagag gtggaggcaa 300
 ctctcgacta ccacaatgg cttgatgat cgctaccaca tgactatggg attgatccac 360
 taggccttgg gaaggacca tcattcctca tatggatcag ataagctgag ctcatcctg 420
 gtaggtggtc aatggctgca ccctaggaat cttgtcggg cacg 464

<210> 10841
 <211> 592
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126g01a1

<400> 10841

attttagttt caaaaaaatc aattaactca agcatggtca aagctggtaa ccggcggagc 60
 cggttacatc ggcaccacac ccgttcttca gctcttgctc ggaggttgca gaaccgtcgt 120
 cgtcgacaat ctcgacaatt cctccgaggt ttctatccac cgagtcaggg agcttgccgg 180
 cgaatttggg aacaacctct ctttccacaa ggcggacctc cgggacaggg atgcactaga 240
 gcaaattttt gtttccacac aatttgatgc tgtcatacac tttgctggac tgaaagcagt 300
 aggagaaaagc gtgcaaaaac ctttactata ctataacaac aacttgactg ggacaatcac 360
 tctattggaa gtcattggctg cccatggatg caagaagctc gtgttctctt cttcagcaac 420
 tgtatatggt tggccaaagg aagttccatg cacagaagag ttccctctgt cagcaatgaa 480

cccatatgga cgaactaagc ttatcattga agaaatttgt cgtgatgtcc accgtgcaga 540
gccagattgg aaataatatt gcaaagatac tcaacccagt cgtgacacc ct 592

<210> 10842
<211> 546
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126g01d1

<400> 10842

catgcgacat ccgcatcgat agcaggcaag ataaagttaa aggcagatcc taatagaaag 60
ccgcccgtat cgatctttac tctctctct tttttttttt tacttctttg gaaactaaaa 120
ttggggaacg gaagcctgct caaagggcac atgaaatcat cccaatctaa taattaataa 180
cctgaaagaa ggaacctatc gaacctttaa attaaattac agtgcagtaa accactactt 240
atttaccatg taactatgaa tcataataat acaagtcctt gtcaccttga cctacggact 300
aaagaaaagc ttttgagaaa actaaattca caagacctac ggactacggt gtggggggagt 360
tcggaaaaga acccaaagag aacactttat atatatatag ttaaacgggg gaaaccttct 420
gaactccata gccataaggg ttttttgcta gcccaaacc attgatcgtg gtacatctaa 480
taaatgccat attttgccct ccatttaagc ttttttttcg ctttctttgt tgtgcctaaa 540
caaatt 546

<210> 10843
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126g02a1

<400> 10843

agaacactca ccacacaaga cattcagaca ggcatagaca aacatggtaa ccagtggcca 60
ccgatatgtc tgtgctgtcc aagagctaag ggatctggaa gtcgatgaca cactagcacg 120
atcagccgaa gccgagacac tcgacgagc tggtaccgat gaagccagca aggctgccgt 180
taagaacgag aacgaactgg agacggacaa ggcatacgca tctggctagc gatgctcaag 240
actag 245

<210> 10844
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126g02d1

<400> 10844

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agaaaaaaat ggggggatcg gtccgtatcn aggcnnngnnt tnnntnaggg cannnncnnnn    60
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nntttttntt ttttnnnntt nnnntttntn   120
tntggggggg ggggttctttt ttttcttttt ccttggcctc acaatatagc caccggaaat   180
atcatagtat tcaatcattt cggcattaac aacaacctcg gaataccact ctccgaagtt   240
ctccgccttc cgatgcgtga gacctagcc agtctccttc ttcacctcct tcttcttccc   300
accggattgc ttagcggcag gttttttgga ttcagttttt tttgcttcag ttcccgccat   360
cgtgaaggac gagcacctga tcccgttgca aagaagtcga aggcgattga aacgcgcaag   420
agcgattgtg gcgtcacggt tgaccc                                         446
  
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<210> 10845
 <211> 561
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g04a1

<400> 10845

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tgcccaattc tttccctcc acccaccctg catatttaga tattcctatt taatagcacc    60
ccatagatta ccttgtgtga ccaactactt tgactccttt accataccat tacaataatt   120
atcaaacctt accagaaaaa atggatgacc ggggaggaaa tccgcaacgc tcatcgttcc   180
catggaccgg ccaccatctt ggccttcggc accgtcacgc cgtccaactg cgtataccaa   240
gccgattacc ctgactacta cttccgcatt accaaccatcg aacacatgac ctgatctcaa   300
agaaaagttc aagcgcatgt gtgaaaagtc catgaaaaag aagcgataca tgcacctgac   360
ggaggagttt ctgaaagaga acccgaacat gtgcgtatac atgggcgctt cgcttgacgt   420
tgagacaaaag acgtaatggt gatggagagt gccgaagctg ggaaaacaag cctgaacgaa   480
agcgaataaa gagtgggggtc aaccaagcc aatgatcaca cacctggagt ttctgcacca   540
  
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cttttaggggt tggacatgcc c

561

<210> 10846

<211> 368

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126g05a1

<400> 10846

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tggggccaggc tttgcttgac accaaatgaa gtcaactaaa tctccatggc caattctcgt 120

caaaacctaa cgaagatact cctggctggg tctattatca cgaagccgac taagattcac 180

tgtagctccc atgctcttgg acttaaggac ggccagagaa tggggcgctca ctttagttat 240

ggtaagcgct aagtgccaat ggaggcaagg ctcccacca aaatccttga tatgaggaag 300

atgcacgagc tcatgcgctt gctttgcatg atcaaggaat caaagatgat cggccaagac 360

atgttcca 368

<210> 10847

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220126g05d1

<400> 10847

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gaaaattcca tccaccatgc atatcataaa aaaaatatcc ggaaaattcc atgttcgcta 120

tataaacgac aaacataggc agagtaacta aaagactaaa accaaccgaa agagacgtga 180

caaaaattac ttgagcacgg aaactgaaga tgcccacata gataaagagc cgccatccac 240

caaatctctg atcacacact cacttcttgg atttcttcaa tgcttgaact ggctgggatg 300

ctgccgcagg tgtactcctt tgtgctgctg atggcctctc tcctggacct tgggccaagc 360

gtcctccct acgagcattt ttctctccc tgctagcctt gttcttggca cgcttcacct 420

caaactggtc agacaatgtc ttttctcttg ccttctcagc catggacttg tgtatgctct 480

cc 482

<210> 10848
 <211> 379
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g06a1

<400> 10848

cgaagatggt gtcctttaag cttcttatgc gcctcgccac taacttcctt aagtgtgca 60
 tggggcaggt cttgcttgat ccaaataag tcaccgaaat ctgcatggcc actactggac 120
 taaacataaa gaagatggct atggatgggt ttattatcaa gatgccgtct atgattcact 180
 ctcgctcccg tgctcttcta atgaaggatg ccaagagaac ggggcgtctc tctggttatg 240
 gtatgcgcaa ggggactagg gaggcaaggc tcccaccaa aatactttgg atgatgcgga 300
 tgcttgctct caagcgttg cctcgcatgt acagggaatc atagacgatt gcctagcaca 360
 tgtgccatga catgtacat 379

<210> 10849
 <211> 219
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126g06d1

<400> 10849

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 gccttgaant cctccccccc accttttttt tttcccatcc tcctccccct cgggcggggg 120
 gtctttatac tctctctggc cgtcctcctg ttgctcaaac aatccctctt ttctcaaac 180
 aaactcaacc ggcatagtta ttctattgaa tcttcctt 219

<210> 10850
 <211> 150
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g07a1

<400> 10850

ctagttgagt gtggagtagt atatagtgag atgtaaagta gactggtatg atggaagggtg 60
 aaggttagat gtaagacgat agtttagata tttagttagt ggaagaagtg aggtgggtgt 120
 tgatcctgtt acctatagac gagctatgac 150

<210> 10851
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g08a1

<400> 10851

aggtttcggt tgatctagag gaaaaaagaa tggggaatgt aggggaggcg agagtggatt 60
 gagtaaaaat gatatggtat ataagagaga gggagatgag gagctgatcc gttacggata 120
 gccagctatg acgtta 136

<210> 10852
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220126g08d1

<400> 10852

ccctccaaag ttctgaaaat taccctccaa gggactatg ctggagttcg ttgggctagc 60
 ccctaggcta aacctcattt actgttctgc tctgatagcg aa 102

<210> 10853
 <211> 581
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126g09a1

<400> 10853

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 ttcactctct ggggtcaggg ccaatcatcg ccaagctcat gctctgcacc ctttctctcc 120
 ctctaaagat tctccatttt tctctgcttc catcacaaac actgcatcaa cacactctct 180
 tgttttcttc actTTTTTTT ttttcttgca acacgtttct ctccaatttg ttgcaaacc 240

ttttggtttt aggtgccaaa ggacccaaaac gtccttgaag cctgaagccc ctctctctctc 300
 tcttaggggtt ttctcaccct ttttcagaag ggtgatgcaa tgaggcagtc ttttgatcct 360
 tcattctttgg gtccttccaa gattccatct ataaaaatac ctggaaaagc agggaatggg 420
 gcatgggagg ctttgtctgg atctgattcc taccatgctt cgtcggatgc tagcctcttt 480
 tatagctcat tacctgttct tccgcatgaa aaattgaact ngaatgaaac tgcaaagtct 540
 tatcaatcta ttgacgacat ctcatccggc tttagaagc t 581

<210> 10854
 <211> 212
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126g09d1
 <400> 10854

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 ttggacacac ggaagctttt caccacagaa tcgaatgaaa tgtattgtat ccgtcctcga 120
 tgtgcaagga tatttacaat aatgactgta agacagcggc atttaatttg ttgacgtcaa 180
 aatgtttttg agctgatggg ataggatgct tc 212

<210> 10855
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126g10a1
 <400> 10855

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 tccacaaatt cctccaaatt ctaaccaaac cttcactac tccaaattcc aaaacttctt 120
 cacactcctt cttttccctc ttctgttgcc cgatcttctg cctccaagat tttggtattt 180
 gggattgatc acctggagtt ggaaatgggt aaaagttatg gagtgttctg atttgcaaaa 240
 gatatcatgt tgcggtgctt agagggactt aagcctttat ttgcttccat attacgatgt 300
 tgtgacctgg atatatataa ccagccaaga ggccttgaag atcctgaact tcttgctaga 360
 gagactgggt tcagtgtgaag cgaaatagaa gcactttacg agctcttaaa aagattagca 420

gtgctgtaat cgacgatggg ttgattaaca agaagagttt cagttggcat tgttcaagac 480
 aaataaaaag aaagtctgtt gctgatcggg tatttgattt atttgacaca aagcacaatg 540
 ggatact 547

<210> 10856
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126g10d1
 <400> 10856

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 attctactct gcttttcttg ttgctgagag gggtgttggg ggtacaaaga gcccaacttc 120
 tgatatgctt tatgagtggg acgctgaaac tgactggggc ccttatgtga ttttaagaaga 180
 tactgaccct gtataggttc tgcgtcgggg ggctcagatt acactccttt taagagagga 240
 agccaagaat caattcccta cgccaagcaa gcccttggg ttgttgtggc aaaagccaca 300
 gagaggaggc tttgggggtgt gcccatggga acaaatgaaa ggtgcttttg aggggaa 357

<210> 10857
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126g11a1
 <400> 10857

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 tccatttatc gatccacgtc catcccatc tttcttctcc tattctctct gttttctttt 120
 cttcttctaa aaagtgagag aagaaaaaag ggaattgaag gaagaagatt gagaaaaaag 180
 ggggaatgcc cagataatta attcggtgaa atttcggatt ttcgtaagtg ggtgtttctc 240
 ttttcgtgtt tttaccttca gtgggtggaag gaggggggtt ggtttggtga gttgatggac 300
 ttgatgagcg ttgagtngtg tgtcatcctc ggacggcatg gatgagggat gagatccacg 360
 ccaaccatca tcaactctgag ttttcttcca caaagcctcg caatggaggc actagtaaca 420

00220"CTT560

tcaattctgt gggccccacg gaattgctcc ggcacccagc gtcattgaatt gctggaatgt 480
cctgtttgta ctaatcaatg taccctccaa tcatcagtgt cacaatg 527

<210> 10858
<211> 87
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220126g11d1

<400> 10858

gccaacgcaa accactcccg gacatgggtca ggagacacct acccataccg gaggggtcac 60
actcatacac tgatgggtct cgggtaca 87

<210> 10859
<211> 633
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220126g12a1

<400> 10859

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nnnnnnnnnn nnnnnnnccn nnnnnnnnnn nnnnnccann gttggnggnt gcngnggcgg 120
cnagcgggcg agggcggcgc gaaccgccga ggaggaagaa gagcagcaga accagctgtc 180
gctggtggcg cttctgttgg cggccatcag aaaatcgatg gtgtcgtgca ggggtggacc 240
accgacgat gtaatctcca ccgtccatca catggagatc ggatggccaa ccaacgtcca 300
gcacatcact catgtcacct tcgaccgctt caacggcttc ctcggtctcc cctatgagtt 360
ccaagttgag atccctgcta gggttcccag tgctagtgtg agcgtgtttg ggggtctcagc 420
agaatctatg cagtgttctt atgatccaaa aggaaacagt gtccccacta ttctcttgct 480
aatgcaggac cgtctatact cacagggagg cttaaaggct gaaggatat ttcgtattaa 540
ccctgaaaat agtcaagagg agcatgtgag ggaccagttg aataggggca ttgtgccgga 600
tgacatngat gtccactggt tggctggact gat 633

<210> 10860
<211> 360

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126g12d1
 <400> 10860

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 caggctaagc taaatcaatc tccccattcc ggaagggtcat cgatgtcaca gcacttacct 120
 gaaatttgaa gaggaggcta cacctTTTTa gccattccc atttgtcatg gttagaattg 180
 tctagtacaa gaacatacag aaccagggtca aattcagccc taaactgaac aaaacctgtc 240
 cacagataca caagaaggaa acgagnccta ctccatgtat taatttacac aagcaaacct 300
 agtgctgctt gtagagacaa aatctgaaaa acatggnact aaaaaactac aaagaaaacc 360

<210> 10861
 <211> 563
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126h01a1
 <400> 10861

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 tgcccgaaaa actcctccgc cagccaacg aacccatata tgatggagtg tgccaaaggg 180
 gttataggac attgagttct ggtctttgta atccatccag agttattggg aatttttctc 240
 caaatgttgg aaatggtggt aatttgaaga acttggtgct ttttggagcc gcggatacat 300
 attgggggac atctagatcc gttcatgggt cagcatcatt ggcaaggac tattacgaag 360
 tgctcgggtg gagtaagaat gctagttctt ctgaaataaa gaaagcatac tatgggcttg 420
 caaagaagct ccatccagac acaaacaaag atgatoctaa cgctgnaaag aagtttcaag 480
 aagtttcaat ggcatatgag gctctgaaag atgaagaaaa acgtcatcag tatgatcagg 540
 gtggccatga tgtgtatgta aac 563

<210> 10862
 <211> 677

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h01d1

<400> 10862
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 aannnnncnnt nnccgnnnnn nntnnncntt gtgtttcgtt ttntnttttt ttctttgttt 120
 ttttttttat tttgtttttg ctttttttgg gggctagggg caaattataa tatagtttac 180
 ccatggtcca atgataaagg ctctccttt atgtgacgtg atagtaggaa aaagaatcac 240
 attgagtgac ttgcgccctt tcttatgtta taaggaaact atatacagca ctgactagaa 300
 ttctagccta gaggagcatg aggggattgc cttctaagtt ctaacaaaaa aaattttgaa 360
 ttgtgatcat cccttgggac gagaaataaa tattacatac actcgaaaaa gtggaaggaa 420
 ttaagaaaag aattaccaat ccttaatcct acaaaacttc aacaaccgcc tagttgagca 480
 tatgattttg ataataactc ttgcaatgtt ttcaaccaga agcagatgca actctctgtt 540
 tatcaaaatc tccttgcctc tccttggcaa actcttcaat caattcccgc tgtctctctg 600
 tcagattggt tggaatgctg acgttaaaat gaacatattg atccccaaat gtgtaagaat 660
 ttatagtctt gatccct 677

<210> 10863
 <211> 426
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126h02a1

<400> 10863
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 atcataccta accagcgaga catggtgacc gtggaggaca tacgaaacgc atcaacgttc 180
 ccagggaccc ggcaacatct agggcttcag caccggcacg ccatccaagc tgcgtctgcc 240
 aagacgatat accgtgacta ctgcttccgc attaccatct gcgaacacat gactgatcgt 300
 agacaaaagc gtaagcacat gtgcaacctg tccatgataa agaagcgatc atgcaccgga 360

tggatgagtt cctgacagag tacccgaaca tgcgcgaatg catggagcca tcgctagacg 420
agagac 426

<210> 10864
<211> 575
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220126h02d1

<400> 10864

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nnntnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt tttttttttt ntntntntn 120
nttttttttg gggggggggt ttatttttct aacggtttct tggtacatgt tattttcaac 180
agaaaattga cctaaacaac acagcgtagg cattctgcag atgcacgtat tataatattg 240
gaatactagc agaagctaag gccaaagact cggtataaac atgatacaac gcataaatga 300
gcatagcttt tggtaacaata ttaagcatct tgctctcatt attgggcatc ataacaatga 360
tattactagt gcatacaaca acattcatgg taattactat gcacaatata attcttggct 420
gatttctcca gcattctcag gcttgcgcaa atatataaac ttcacatata cctttcccag 480
ccttcccaca ataagttgga ctgtaattgt aatgagatt gtctagcaac tcttgagcaa 540
ctgggtctgt taaggatttc ctagcttcac tgacc 575

<210> 10865
<211> 79
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126h03a1

<400> 10865

atatctctat cccctccaaa caaacttctc gtcttagacg cacacgttaa tcacgggga 60
cccaggtctc ggtgctatc 79

<210> 10866
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h03d1

<400> 10866

gaaaaaaatg ggtaaagtac ccgtncgagc tccggtagat aagggaanc cgaatggaac 60
 cttatctgga aaaacacaac acacctttct tttccaacc cctaccttat tagggcgggg 120
 tatttttaca tcctttcacc cccccccct ttgaaaaaa acaacttttc attcaaatta 180
 aacttaaccg gcaaatttaa acacaaaaat ctatcttaaa aaaattaatc tcaccatacc 240
 ctaccaacag gagtacataa acccatgatt acatcccact gaccaaccaa aaaatttcac 300
 cagcacctta acgaggatta caaagtccag ccctagtttt tccatccctg cacctatcaa 360
 ctaaacaac aaggaatttc t 381

<210> 10867
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126h04a1

<400> 10867

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 ccgaggcttc tgtcctgtcc gatcgctgat gggtacagac gatcatcata taaaaccacg 120
 tttcatcaaa acctatgcac ttgctgggtga tatattgccg aagaatgctc cttggctgcc 180
 gcttataatt tcagctatca ttgccaggc aagccttggg agaaggcgac 230

<210> 10868
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h04d1

<400> 10868

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 aaaaaattag ggtgggggaa cattttgcta cgataaaccc acaagtcaaa ctagtaataa 180

taacaaactt tccctggtat ttccgagggg ttcttattga tcactcttaa atcactagtc 240
 accgcatcag catgatttat ccctccaagg gaacactgtg aagaacaacg gtctcaacgg 300
 ttagaccggg cccgaatccg aatagcacc cccactctaa cccttctcca gtggtactct 360
 tcccttcttc cttagacttc ttctcattt catccagaat gaacaaaaca cacgcgcttg 420
 acatgtttcc ggactcactc agcacatgcc gggaggactg gagtttctcc ggcttgagcc 480
 ggagcttctc ctgcacttga tcgaggatcg cgggaccacc gggatgtgag atccagacga 540
 tagagttcca gtcgctgatc ccgatgggct caaaagctta aac 583

<210> 10869
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126h05a1
 <400> 10869

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 cagatgcttc tgtgctctcc ttgcgctgat gggatatagca agatgatgat gacgtatcgc 120
 gttccataaa aaccatgaca cttgatggga ataatgcaga agaagaaaca atggctgctg 180
 cttacaacct cagctatcac gagccatgca aaccttgagg gaaggcgaac tatgtttagt 240
 ccaagattgg aaaggctgat tcggc 265

<210> 10870
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h05d1
 <400> 10870

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 accannntac taanaaatgg acggggcgnta anaatttaat taatttttta ctttataaag 120
 tttttatttc aaccaagggg cgggggccat tttctccgt cttgcctacc attaaaccta 180
 tatccaataa aacctatgac cggtttttac cagaagaacc taagcagaca ctctaaaaaa 240

ccaaaacccc ccgaaagaga cgtgaccccc tccactggaa cacggtaact gaaaacgccc 300
 acatcgataa aaagccgcca tccaccaa atctgatcac aactcactc tttggatttc 360
 ttccgtgctt gagctgcctg agactctgtt gccagtgcac ccatatgggc cgctgatggc 420
 cccctcaca taccttgggc caaactctcc t 451

<210> 10871
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126h06a1

<400> 10871
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 tgtaacaac catggttatg cgggagaaaa ccaaattggg gttttctcaa tgggaataac 120
 aacagcaaaa acccaagagg aacataagct ctctctgcct ccatggtttt gtcggcacta 180
 tttgggtgca aatcagttca tatcagacag caatcacaaa catatcaatt ttgtgcgata 240
 gcggtttggt ggggtgtgca tgggatcgtc aggatttggg ggggtgcacga cgagggtcgt 300
 tggggcttga tgggggtgtg gactgaaaca ccatttgggt ggtgaggtga tgggcttgtc 360
 ggtgacaaag tcaatgtgaa aagagtga aaattgaaa tgccactgct ggcaatcgcc 420
 tccggcgatg acacatgtgt gtcagcggcg agggaggctg aaatgtccca gatctatata 480
 agcatatcca ccagatctn tcagatgtac acagtagatc tagattgacc ttgttgattg 540
 ttgttgcttc atcatggatg gga 563

<210> 10872
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220126h06d1

<400> 10872
 gaacaatcag cggcagatcg gattctgtna gcnagccaag atanntttaa aacaataccc 60
 aataatttcc ttctattttc ccctctcccc ccccttttct ttttattctc tccctttccc 120

cacttgggct gggttcccct tctcctccca ctccccacct cctcttgctt aaacacaacc 180
 tcttctctca aattaaactt aaccggcaaa cttattcaat aaaatctacc cttgcaaaat 240
 taaattctcc accttccctt gaaacaagtt tagctaagcc ccattctccc tatccccctg 300
 accaactcct aaaattttat cccccctcct acccattctt tccaaatcca gccctgttc 360
 tttccatacc tgccccctta ccttac 386

<210> 10873
 <211> 388
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126h07a1

<400> 10873
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 aagctccttt accatcgcat ttcgggatct cgaatcttca atctagagag gtattgaaga 120
 tcctgatatt gttgcaaata caaagggctc atccgggttc agaaattata tgtatcctgg 180
 agagcatcct ctacttcctc ctaaagtgtc gtttcctagt gtttcccaag catatgctga 240
 ttatgtccct aatcctgctg ttgatttaaa ggctggtcac agacctaaag atggaatcac 300
 acaccaccag cgtacttcat ctgagagccc tcgtatagag gagcagccct catggcttga 360
 tgatctactt aacgaaccag agacacct 388

<210> 10874
 <211> 336
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220126h08a1

<400> 10874
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 gtaaacgcat gtactctgag aggaacatta aagccgtgta tggatgaggg gactgagac 120
 atacacaccc aaaagggata gttaagaaaa agcttacaca ttcatactct atctactaga 180
 acgggggtcag ggactacaaa gatggatatct gatgataatg ttggtggagt cacaaagttc 240
 agagtcaata gcaagatgta caccaaggag gattcttgga tggagatacc acctacccca 300

aaacggggcca agcctcgagc tataggcaaa attcct 336

<210> 10875
<211> 531
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126h09a1

<400> 10875

catcatataa aaaccctaatt ttgttacacc tacaccttct tctctcattg tctcatcatc 60
accaatcaac aacaacatgg ctaatttgca aggagggcct gactttgaca aaatcttcca 120
cttctctccc atttgcatcc ttgctttcat caatgaaggc tctccctccc tctcaagagc 180
attcatgaac gagccatggt catggggcat aagcattccc attagtttgc acgtgaaatt 240
tgcacttgag atccacactc accttggaat ctgtgttggg gtaggagtac cctctttggg 300
ctatcggggg gccacacgtt gtgccattga ttggtactgg gaagcagcat tgcagttcaa 360
ccatgagatc tatagaacat gccttttcaa tgttgttatt gggttgctac acttgttggg 420
gtcaaagctt gctcattaca tcattgagtg ggtgagggat cacaagccga tgaacaacaa 480
cggtttgggtg tctgatcagc taatgcttgc aaacttggac tttgaagcac t 531

<210> 10876
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220126h09d1

<400> 10876

caaagagttc gacaaataat tcatattttt aataatagac tataacctcc acatcgtcgt 60
ggatgtcatg tgaatcgatt aggggtgttaa ttaattttca actactaaaa ctaagctgcc 120
cttgtgcaac ttcgaggacc aaatccgaac ctctcattct ccaaatacata ttcaatgtaa 180
aaattctgct gctagaaata cccaagata atggccggac cggtagtctt gggcggaccg 240
gcacct 246

<210> 10877
<211> 349
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h10d1

<400> 10877
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 ctcataatTTT aaaacaaact ctacacaacc ttggaatctt gcttttgaaa ttgaaaaat 120
 gggaaccaa cgtgtcttgt agtttgaaga aaaaatgaaa gtaaaatccc agcaaaagaa 180
 tccacaaaac aaaatacatt attcaaagat ataacaaatg taagagtaaa agcaagagct 240
 gtctgccatg cccttttttg tacaaaagag gccatgcagc ccaaaagaag aagccatggg 300
 agaaattatc ttcaaggatc gnetacttgt gaatgaaata caaagctcg 349

<210> 10878
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126h11d1

<400> 10878
 ggagggaaaa aaaccctggt ttttcccccc gttttgaatt ctgaaaattt cagaccccc 60
 tttgggcctt tatcgtttcc cccctgccca aagggggggc ctttttttcg caaaagaggg 120
 gccgaacccc ctgttaaaat tcccttgaaa taacatggca cccccgaat ttgggcatgc 180
 cccccccac atttgaattc tggccttccc atttttgtcc tgggactctg agcttaagcc 240
 cctttctttc cccccagaa aaaaatcggg gcctttttct ttgaataatg agccctcat 300
 gggtttcctt tacctttcgg ggactttaac aaacccttgg ggggggcccc ccc 353

<210> 10879
 <211> 661
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220126h12a1

<400> 10879
 atgccagnat gctgcttctt cccgannccc antncnnnnn ntntnnnnnnn nnnncnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnt tttnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnng gggngngggtt gntngntcca cgtccatccc catctttctt 180
 ctctatttct ctctgttttc ttttcttctt ctaaaaagtg agagaagaaa acaggaatt 240
 gaaggaagaa gattgagaaa aaagggggaa tgcccagata attaatcgg tgaaatttcg 300
 gattttcgta agtgggtggt tctcttttcg tgtttttacc ttcagtgggtg gaaggaagg 360
 gggttggttt ggtgagttga tggacttgat gagcgtgag tgtgtgtcat cctcggacgg 420
 catggatgag gatgagatcc acgccaacca tcatcactct gagttttctt ccacaaagcc 480
 tcgcaatgga ggcactagta acatcaattc tgtgggcccc aacggaattg ctccggcaac 540
 cagcgtccat gagttgctgg aatgtcctgt ttgtactaat tcaactgtacc ctccattca 600
 tcagtgtcac aatggccaca cactgtgttc cacatgtaaa actagggtgc acaaccgatg 660
 t 661

<210> 10880
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220126h12d1
 <400> 10880

gggaggaaaa aaatcttggt ttttcccag cttttgtaat ctgtattttt ctatgcccc 60
 tttgggcctt tttgttttac cacttgcccc atggggggcc ccattttttt caaaagagg 120
 gcattacccc ctgttgaatt tcctttcaaa ttacatggga acccccggtg tttgggttgc 180
 ccccccatc ttctgaattc tgggctttcc attttgttcc tgggactctg agattaagcc 240
 cttttttttc cccccaaaa aataatgggg ctttttcttt ttgaataatg gaccctcat 300
 gggtttccct tacctttcgg ggtctttcac aaactcttgg ggggggaccc ccccaaatga 360
 gtttccttcc attggccc 378

<210> 10881
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127a01a1

<400> 10881

actcactagc cttatTTTTag gTTTTgagat tgagctaaag gccaaactcaa ccatcgaatt 60
 tgTTggagtt agaaagagtt ggaagaagat gctggttatg gaagctgaga gagctggTcg 120
 agaaggagca ataagtctaa gtcaaggaga aggcgtagcc taagacagca ctgtgactga 180
 actcaccaaa atccgtctcc tcatggcaat tgTTgaaacc cgagatccct cttccaagga 240
 tgaggatgat tttatgatta gaagattcct gcgagctcgt gatttagaag tagagaaagc 300
 ttcggcaatg ctctcaagt acttgaaatg gagaaattca tttgttc 347

<210> 10882

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220127a02a1

<400> 10882

cttaaagaaa acaaagatct aagagcagat aatggTctga ttggTcaatt tggagtagga 60
 ttctactcgg cTTTTcttgt agctgagagg gttgTtgttt ctacaaagag cccatgatca 120
 gataagcaat atgtgtggga agcagaagct gacagtagct cttatgtgat aaaagaagaa 180
 actgatcctg aaaaggttct gcgtcgaggT acacagatta cactctattt aagagaggat 240
 gacaagtatg aattctcaga gccaaagcaag attcaaggTt aggagaagaa ttactcacag 300
 nttgtttcct tccccatcta cacatggcaa 330

<210> 10883

<211> 417

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220127a03a1

<400> 10883

aggtagagcc tcctcatcca ccaaaaccac cgaagaaacc accaagccca ccaaagtag 60
 agcctccact tccacaaaaa ccaccaaaga atcctcctcc tcttccacca aaaccaccaa 120
 aggagccacc acttcatcca gttccaatct acaagaagcc acttccacct cttcctccac 180
 tcctaagtt tccaccactt catccagttc caatctacaa gaagccactt ccacctcttc 240

ctccactccc taagtttcca ccacttcac cagttccaat ctacaagaag ccacttccac 300
 ctcttctctcc actccctaag ttgcctccac tcaagccact tccacctctt cccaaacttc 360
 ctccaaagca ctttttccat cccccaaaaa gggtcccagt accaccttct tcctctc 417

<210> 10884
 <211> 431
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220127a03d1

<400> 10884

attaaaaaac ttaagtatcc aatgacaatg catttgtata cacatgaaat taattaaaaa 60
 taaattccat gatctgggtt gtctaacttg ccccgatgat gatctttatt cgagaacaac 120
 aattttgatc aactcatac ttcacattac tttaaacttc ttaatcatat cgctctatct 180
 tagtttaaat tttatttata ttttcacccc aggcttatca catgccctat tctttcaagg 240
 gtttattagc aacaaataga ctctctcaat atacttgatc atacggaaag cccaaaaaag 300
 aagaccgaaa aaatgcatgc atattttgca gaccacaaca gagtaatcat ctacctctgc 360
 aatattaata tataaagcct aaggatgaaa ggaaaaaggt ggttctggga accatttggg 420
 gtgatggaaa a 431

<210> 10885
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220127a04a1

<400> 10885

cttcagcaaa cgcagcgttg ccgtcgattc cctctgcgtt ttggagcttc gtgttgcgt 60
 ttaacagatc ggagttttcc tcgcatgac cgaaaccgaa gctttggagg atgcgaaaga 120
 agaggaggag ttggaggaag aagagtgcgc ggtgaaaatg gtgtacatgt ggggatacct 180
 tcccggagcc tcgcccgaga agtctccgat actgtctccg gcgccggaga atctctccga 240
 tcgttcaact gccggagatt cgaggaaaga cgagagcggc ggaggttgcg gattcgccat 300
 ggccatctca gagaaagga atgctataac gaggggttct gcggacgatg aaaggcagag 360

ctactttata tcggggaagc a

381

<210> 10886
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127a05a1

<400> 10886

attagaccct agcggatatt ctatgtaagg aatagaaggg ggagcaatat ccaccatcca 60
tgtcactcct gaagatgggt tcagttacgc aagtttcgaa gctgttggtt atgactttga 120
tgagatggct ctatgagaac ttgaggaaag agtttttagca tgctttcgtc cagcagagtt 180
ttctgttgct ttgcacattg acatgcatgg cgaaaaactt aacaaatttc cctaggacat 240
caatggatac tactgaggag agaggagcta tgaagagc 278

<210> 10887
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220127a05d1

<400> 10887

gtatggcaaa aacaagaagg ggtcccccat accaagaacc ctttacctta aaatcaccac 60
aaacccttat cccccctcaa ttacagaat accccccggg cccacgcctc tattaaaact 120
ccccctatg agatggaggc ccaaacaaaa aaaaccttcg caaaaccccc caaaacaagg 180
gaaggccgaa aggtcattgc tggtttgatc catgccctga caactttaag cttcccttcc 240
aagaccatga tgaacctcgc ttaataaatg aaatggacta caacatattc ctaaattttg 300
aactggcctc gatcagtaca taactacata ttccgtggct tttcgtgcc aaccctaaag 360
gctgcctaca gtaaagcctt gcgccccaaa gtctcttgcc actggaaagg aaaagacagc 420
caatgttttt aaggtcccca g 441

<210> 10888
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220127a06a1

<400> 10888

ggagagcacg cacgcgtaca ttgggcgcgt gagagatcgc tacgggggtc gttggatatg 60
 tggcctctgt tccgaggctg agaaggaaga gagggagtga gagaagatag agatatcaac 120
 ggacgaagct ctgaagcgac acatgggggtt ctgccaacag ttcaagtctt ctggctctcc 180
 agataacacc aacgaggact tcattctggc agcgaagcag atcctgtttc gcactttgga 240
 ttctccgagg aaagaccgtt tcaactgtcg accacttggg agatctcaca gntgnttctc 300
 aaccatgcaa ggaactccca cacaagcggg gacagaatga tccctctttg aataagatta 360
 t 361

<210> 10889
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127a06d1

<400> 10889

acatagaagt aattagatgc attgatatcc ctttttgagt agcataatca tatcaataat 60
 gaatggtaag attgatgatt tcaacataat ttttagctac taaacaaaac attttgtaca 120
 gaaaagaaag aaacaagaaa acttggaaga atatttataaa gctgaatttg ggccaacat 180
 agaaattccg aaattccatt actagtaaac aaaagtgaca tttagattga agtcaaggaa 240
 ggaagactcc tgtcaacaat catccactca atcccaaagtg tcaaacaaaa acaatcaaca 300
 actcaacacc ataactcaac cattcctgcc tgactaacca caacacaaca aaaacaagac 360
 acacaactga gcttagtaac tcaaccttga ctacagata cgatgcttgt gaatcatgac 420
 tatacattgt ttattattat tattattatt attattatta ttatcaatta ttaatcaata 480
 agtctccatt ttagttgcat tctaataatt atcctacaat acttcaatat aactcctgaa 540
 gtgttttttag tattata 557

<210> 10890
 <211> 324
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a07a1

<400> 10890

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caaacactca cactctctct ttctttcttc ctagctagct acaatatgga gcctctctct 60
tccaccaaac acaacaacaa tctctccaag ccttctctcc tccacacgga gagctccgcc 120
gccggagagc cagtcccttc cggaagatca tggaggaggc ctccatcgcc gccgggggtgc 180
aattcgggag ggccctacag ctctctctac ttacccttta cgtccaactg ctggggattc 240
cccacacttg ggccgccttc atcaggctct gcagcccaat ctccggcatg ctgagccagc 300
ccatcgaggg ataccacagc gacc 324

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<210> 10891

<211> 568

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a07d1

<400> 10891

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gccaccgcac ccaccacgaa cgctggtaag ttaccacctc caaatagagc atcccatggt 60
ccacttatca cagacaccac catctgtggt atgacaattg caagattgag cactcccaga 120
gacaaacctt ggctgcccc tgagggtgctg gagaatattg atgctagagc aaaggggatg 180
ctgtaagtaa tcgcgagtgg gattccgagg agagagaaga gagccaacgc gccggccttg 240
acggcggcgg gaggaggcag gggttcctgg tgggcgttgg ggagtagggg gtattgtcga 300
gaatgttgga ccatcttagt aacaaaaacc gtcattggcca aacaaaccgc gagcaagaag 360
ttaacaattc cccacagcct cttgacgccc ccaacccac gcgccagcac ttctactccc 420
aacgacgtcg caccaagcac aacagagtgc aaaattagcc ccacgcaccc gacggacacc 480
cttatccgac gccttccctt ccctaactgtc cctccgtcac ctgacgccca tccagtcggt 540
gtcgaataag caaaagggaa ccggcgat 568

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<210> 10892

<211> 330

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a08a1

<400> 10892

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ggctgggaca ctgcgagaat tgatcaggct catccagttg gagtcacttc ggtgtcatgg 60
gcaccatcga tggcaccgag agcccttgtc ggagcagggc tgcttgatcc tgtacagaag 120
ctgtgctctg gaggttgaga taatactgag aaggtatgga agctaaacaa tggactctgg 180
aagatggact gcttccttgc tcttcagatg cacacggatt gggttcgaga agttgcttgg 240
gcaccaatt taaggctccc taaatctacc attgctagcg catcacagga cggtaaagag 300
attatatgga ccgaggcgaa agatggggat 330

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<210> 10893

<211> 579

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a08d1

<400> 10893

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aaaacaactc aaactaatca acttcattct tccaagcaca aaataactcaa tggatcacao 60
acctcaagga acttagtgca ttatgaagca caattaatca actgtataat atgcaaagaa 120
acaagatgtc aactatattt caaaacgaaa attctaacca ttttcaaaag gaaaaatattc 180
acattctaag gctccactgt tgtcacctgt tgccattccc catcaactgc ttccttcac 240
aatgtcacat tgttgttccc atcagccaca gccaatatgt ttctgtcaa tgaccatgag 300
accctccaaa caggggtgtt gaaatcattc aaaaccttgc cttcccactg atccccctct 360
ttcgccacgg tccatataat cactttaccg tctgtgatg cgctagcaat ggtagattta 420
gggagcccta aattgggtgc ccaagcaaca tctcgaaccc aatccgtgtg catctgaaga 480
gcaggggaagc agtccatctt ccagagtcca ttgttttagct tccatacctt cacagtatta 540
tcacaaccac cagagcacag cttctgtaca ggatcaagc 579

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<210> 10894

<211> 367

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220127a09a1

<400> 10894

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 actattgaat gatgaagatg agttccaaaa gcgagaaaat aaaaccaaag actgattttg 120
 aactcgttct aaattattct aatcaaggta tttggaaaga tgactcgggt gcaagtgcaa 180
 atgcagcttg tccaatagac aagacatttt ctgccactga cccctatct gaaatagtta 240
 ggtctccaga taatgataaa ccaacagatg acgtttttgt agaacctata gctagaatat 300
 gctcaaagag agatgtttcc tccacagata ctctgctag gcatccaaca agtgattatt 360
 gatacag 367

<210> 10895

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220127a09d1

<400> 10895

atggaactta aggttaagca tgatgagaaa agtattcatt acacttgctt ccaaggaaaa 60
 gaaggaagag gaaataaaga gtatgacaac aatacatata gacaacgagg tgcttccaag 120
 ttccaattct cctatatgta tttatatattt tatgagatca tagattattt cctgtaacct 180
 ttggtaaatc acaagttagt gaccccttgt cccataaaac aagcaagcca tttttacct 240
 tgtgaagtag actattctgt atgttggaat tgtttgatgg cacctaattt ccttgcaaac 300
 atggacacca ttggccctga atctctaaat cctgggaaag gtgtaaagga attgaactta 360
 tgcagctttg ctgtgtgata ttgatttccc ttatcatcct taaggacagt ggaatcctct 420
 ttattgatac cacagttatg taaattttga gcctcagcga gcagttgggtc atcagtagat 480
 tgttctctgg cctcttcaat cttgcagctt ttcagagaaa tgtgtttatg gga 533

<210> 10896

<211> 378

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220127a10a1

<400> 10896

ctcgagccga atcggtcga gtcgtgccg aatcggtcgt tgctcgcccc cgctagtgtt 60
 ctcggaactc agagctgctt cagatccagc ttcagtaacg tacactgaaa gcaattgtag 120
 atatctccga gttgcaaacg cgctttctga atgcggcaat ggcttctcac agcgacgcca 180
 attccttgag ggactttagg atcccgggcc acgttctcgg gccggattcc gaggttgaag 240
 gaagcaacat cgatatcgaa agacctaaga gtccggagct cgttttcggt aactcatgga 300
 gtggaggcca gctaggatga gaactcttga aaacagaccg agcgcttggt aacgaaaacc 360
 atggtttcga cttggggg 378

<210> 10897
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127a10d1
 <400> 10897

ggatctcaat tcttatgtat tggaacagca caaacgttta tatcaaagga attattgcat 60
 ctcaattctt aattactatt cacatgttca cagacataac gctgctagaa tagatcaaatt 120
 cggggataca attgataaag gcaactaaca aatatttata aaaatcctac taacagctaa 180
 gcagacaatg ttggcaactg cataacttta aagaatggct ttcacaatga aagatctaac 240
 taagatgagc aaggtctacc tcatctggga ttttaaattgt atttgccgca ccaaacttcc 300
 ggtattcatc tgcttttagct tcttcatcat cactatcatc ttctctgaca tcattatggg 360
 gtggagatga cggatcattc tcaacttttg acttggaatc atgagtggcg agcatgttaa 420
 cctggccatg gtgagaaatt tccacaaaaa cagtattatc gtcaactggg aggggttgct 480
 ttcaaggttc cccat 495

<210> 10898
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220127a11a1
 <400> 10898

ccatagttac ccacttcctc tgacgatgct ccaaattccac gcactcggaa ggaccttggt 60

ctaatagatta gcggttttagt ttttgctctc ttcccttggt gcctttggag ggtacagggc 120
 ctccaacgcg ccacatgctg acgtgtcatc gccagcatcg aacgatgaac aacctagtcc 180
 cacatcggag ccttctccga aaaggtaccc ggtttcacgg agtggtttctt ctgggggtgtc 240
 agataagtca tcaagcatgt tgtttgcggg taaagatgga gcttcggaag catttccttg 300
 ggacaatagc atgctgtcga ggcagagaac tgcttttcat ttccaaccag agaaaaactg 360
 gatgaacgat cctaac 376

<210> 10899
 <211> 476
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127a11d1

<400> 10899
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 tctcataaac ataaatgagc aaaaaatgaa ggaatgggct ttgagcaaga acccataact 120
 ttattggggg tttatgggaa ggtaaacaat cgatgagttc aaattgccac cccaagatgt 180
 tttccgatcc tttgtgacta caagtctttt atatccaatt taattattta ttttaattct 240
 tctgatcagg gtggaatggg cgtataaatg cagaattcat ttgccaaaca ttgagtgagg 300
 ctgtcacagt ggcctcagta gcattgttga acaagaacaa cctagcagct ccatagattg 360
 cctttgttgg ataaacccga gatgtcacia ccggccttcc accttgagca aagctttcaa 420
 caatagaatg gtccaccagt atccgcaagg aaaacttttc attataagta ctggaa 476

<210> 10900
 <211> 344
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220127a12a1

<400> 10900
 tagtgaacca aagagtactt aagaatgcac cttgcactga ggctgtgctt gtagatcgag 60
 gatatggaca tgggcctcag aatttggggc tatataccac tgtgaccaa catgtttgag 120
 tttagttctt aggagggccc gacgatcgag aagccttggg gtagggggat agaatatcta 180

accatccagc gggttaaagtg actgtagaga ggttcattca caaagatgtg ttggaaggta 240
acgacatgtc acactcttca ccaagcaaaa ctaatgggaa aagttacaat ttagccatat 300
ctaaagtgtg ccctccaaat gaaaatgagc ttgatgatgc aaca 344

<210> 10901
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220127a12d1

<400> 10901

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acccatgcct tactgctggg gacccacctt gctgacaggg agcttctgct tctcgcaagg 180
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<211> 313
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<213> Glycine max

<223> Clone ID: jC-gmf102220127b01a1

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ccaccatcat gcaagaggcc atcatctaag gtaggaggg caaatctgca cggaactcat 180
ccaaaaccag acgacttgca cggaccttag aaaggcagca gatcctaaaa ttgcacaggc 240
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<223> unsure at all n locations
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<223> Clone ID: jC-gmf102220127b02a1

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<223> Clone ID: jC-gmf102220127b02d1

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<223> unsure at all n locations
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 aacttggaag cagttcctta caccaagcga acccatttga ttctgttgtc aaaagccatg 300
 gagatgaagc taggggagtg ccagntagaa caaatcaaag ctgattttga agggaaaata 360
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